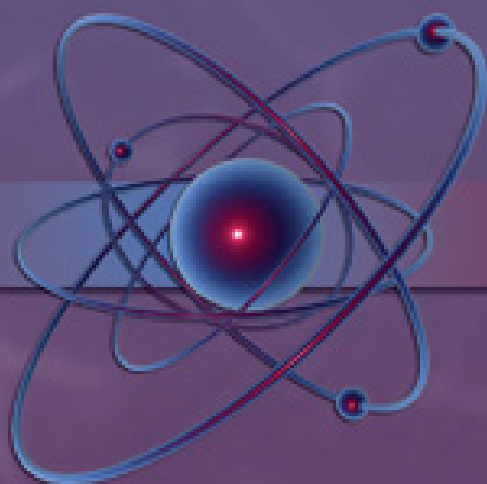


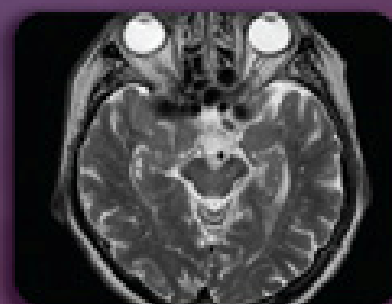
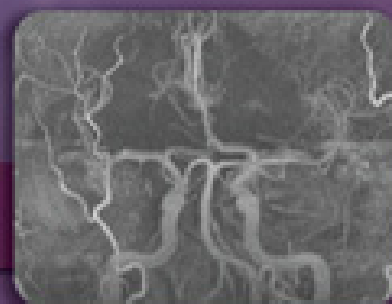
Introduction to Sectional Anatomy

*Workbook and Board
Review Guide*



Third Edition

Michael E. Madden



Wolters Kluwer
Health

Lippincott
Williams & Wilkins

Introduction to Sectional Anatomy

Third Edition

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Third Edition

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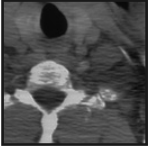
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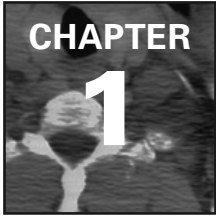
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Introduction

LABELING EXERCISES

Fill in the blanks with the appropriate label.

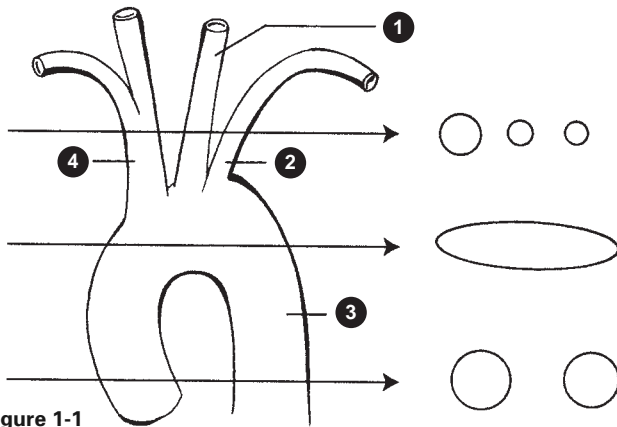


Figure 1-1

A. The aortic arch demonstrating differences in axial sections taken at several levels (text Fig. 1-4).

1. _____
2. _____
3. _____
4. _____

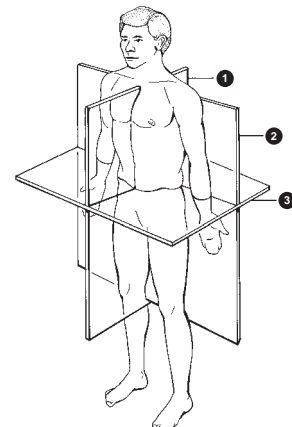


Figure 1-2

B. The human body demonstrating planes of section (text Fig. 1-5).

1. _____
2. _____
3. _____

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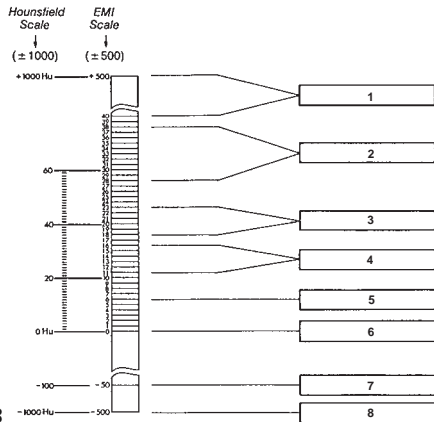


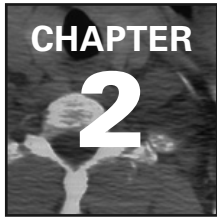
Figure 1-3

- C. Absorption values common to clinical radiology.
The values shown are for the Electric and Musical Industries (EMI) and Hounsfield scales (text Fig. 1-6).
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____

CLINICAL APPLICATIONS

1. A plane or section dividing the body into upper and lower parts is classified as _____.
2. A plane or section dividing the body into equal right and left halves is classified as _____.
3. _____ is the classification of a hinge joint that allows movement in only one plane.
4. The hip and shoulder joints would be classified as _____.
5. Examples of the joint classification _____ include the sutures of the cranium and sternocostal joints.
6. When viewed with ultrasound, the pancreas should be _____.
7. The wrist joint would be classified as _____.
8. Please list in order (from the most radiodense to the least radiodense) the following: fat, white matter, water, bone, and gray matter.

9. In a magnetic resonance (MRI) image, a _____-weighted image will have a bright or high signal from water.
10. In a _____ scan, the metabolic activity and radiodensity of tissues are fused to create diagnostic images.



Head

LABELING EXERCISES

Fill in the blanks with the appropriate label.

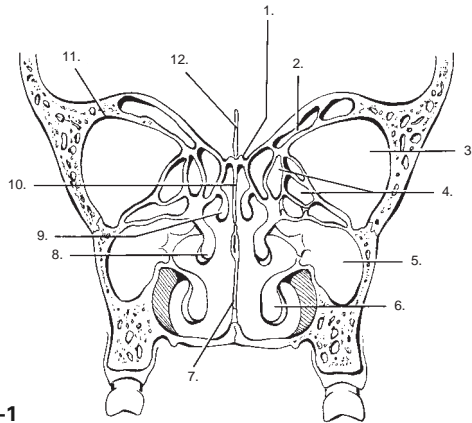


Figure 2-1

- Which number illustrates the ethmoid air cells?
☐ A. 4
☐ B. 2
☐ C. 1
☐ D. 3
- Which of the following is illustrated by 2?
☐ A. Maxillary sinus
☐ B. Sphenoid sinus
☐ C. Frontal sinus
☐ D. Mastoid air cells
- Which number illustrates the vomer?
☐ A. 3
☐ B. 5
☐ C. 2
☐ D. 7
- Which of the following is illustrated by 6?
☐ A. Vomer
☐ B. Inferior concha
☐ C. Superior concha
☐ D. Middle concha
- Which of the following is illustrated by 3?
☐ A. Frontal sinus
☐ B. Ethmoid air cells
☐ C. Orbit
☐ D. Maxillary sinus

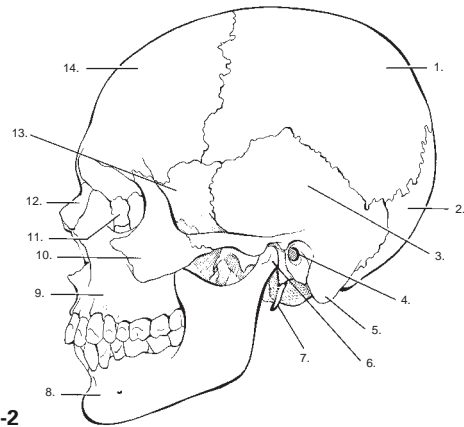


Figure 2-2

- Which number illustrates the occipital bone?
☐ A. 5
☐ B. 2
☐ C. 1
☐ D. 3
- Which of the following is illustrated by 7?
☐ A. Styloid process
☐ B. Mastoid process
☐ C. Sphenoid bone
☐ D. Parietal bone
- Which number illustrates the sphenoid bone?
☐ A. 13
☐ B. 3
☐ C. 2
☐ D. 14
- Which of the following is illustrated by 9?
☐ A. Frontal bone
☐ B. Nasal bone
☐ C. Maxilla
☐ D. Mandible
- Which of the following is illustrated by 4?
☐ A. Mandibular condyle
☐ B. Styloid process
☐ C. Mastoid process
☐ D. External acoustic meatus

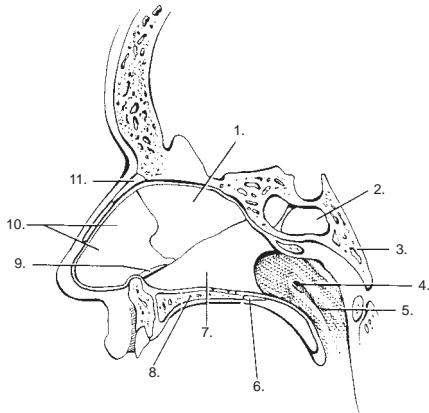


Figure 2-3

1. Which of the following is illustrated by 2?
 - ☐ A. Sphenoid sinus
 - ☐ B. Nasal bone
 - ☐ C. Septal cartilage
 - ☐ D. Vomer
2. Which number illustrates the palatine process of the maxillary bone?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 10
 - ☐ D. 11
3. Which of the following is illustrated by 1?
 - ☐ A. Clivus
 - ☐ B. Septal cartilage
 - ☐ C. Vomer
 - ☐ D. Perpendicular plate of ethmoid
4. Which of the following is illustrated by 7?
 - ☐ A. Perpendicular plate of ethmoid
 - ☐ B. Nasal bone
 - ☐ C. Vomer
 - ☐ D. Horizontal lamina of the palatine bone
5. Which number illustrates the nasal bone?
 - ☐ A. 9
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 11

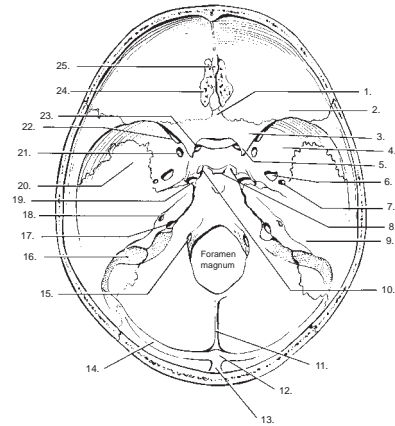


Figure 2-4

1. Which of the following is illustrated by 6?
 - ☐ A. Foramen rotundum
 - ☐ B. Foramen ovale
 - ☐ C. Foramen spinosum
 - ☐ D. Foramen lacerum
2. Which number illustrates the optic canal?
 - ☐ A. 6
 - ☐ B. 7
 - ☐ C. 15
 - ☐ D. 23
3. Which of the following is illustrated by 17?
 - ☐ A. Jugular foramen
 - ☐ B. Optic foramen
 - ☐ C. Hypoglossal canal
 - ☐ D. Internal auditory canal
4. Which of the following is illustrated by 25?
 - ☐ A. Foramen rotundum
 - ☐ B. Foramen ovale
 - ☐ C. Crista galli
 - ☐ D. Internal auditory canal
5. Which number illustrates the superior orbital fissure?
 - ☐ A. 16
 - ☐ B. 13
 - ☐ C. 11
 - ☐ D. 22

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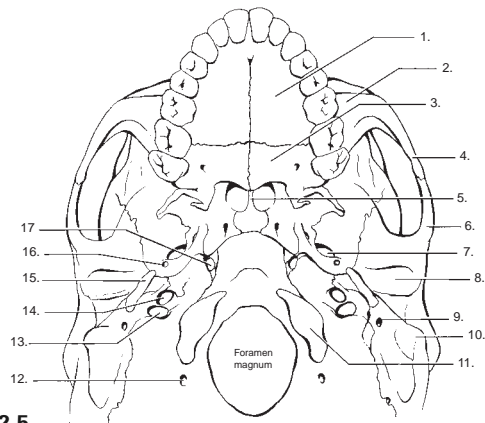


Figure 2-5

- Which of the following is illustrated by 4?
 - ☐ A. Zygomatic arch
 - ☐ B. Mandibular fossa
 - ☐ C. Styloid process
 - ☐ D. Condylar fossa
- Which number illustrates the foramen lacerum?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 9
 - ☐ D. 17
- Which of the following is illustrated by 5?
 - ☐ A. Palatine process of the maxillary bone
 - ☐ B. Zygomatic process
 - ☐ C. Vomer
 - ☐ D. Mastoid process
- Which number illustrates the mastoid process?
 - ☐ A. 10
 - ☐ B. 8
 - ☐ C. 15
 - ☐ D. 12
- Which of the following is illustrated by 13?
 - ☐ A. Mandibular fossa
 - ☐ B. Condylar fossa
 - ☐ C. Jugular fossa
 - ☐ D. Stylomastoid foramen

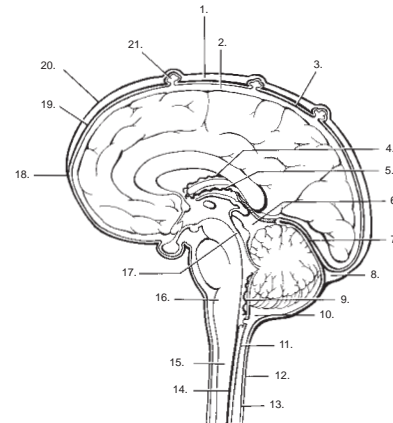


Figure 2-6

- Which of the following is illustrated by 1?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Straight sinus
 - ☐ C. Confluence of sinuses
 - ☐ D. Superior cistern
- Which number illustrates the confluence of sinuses?
 - ☐ A. 1
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 8
- Which of the following is illustrated by 10?
 - ☐ A. Superior cistern
 - ☐ B. Cisterna magna
 - ☐ C. Cerebral aqueduct
 - ☐ D. Superior sagittal sinus
- Which number illustrates the cerebral aqueduct?
 - ☐ A. 3
 - ☐ B. 12
 - ☐ C. 10
 - ☐ D. 17
- Which of the following is illustrated by 7?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Superior cistern
 - ☐ C. Straight sinus
 - ☐ D. Confluence of sinuses

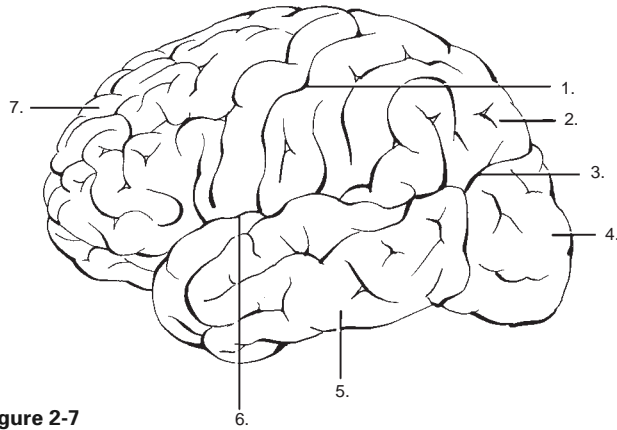


Figure 2-7

1. Which of the following is illustrated by 7?
 - ☐ A. Parietal lobe
 - ☐ B. Occipital lobe
 - ☐ C. Temporal lobe
 - ☐ D. Frontal lobe
2. Which number illustrates the Sylvian fissure?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 5?
 - ☐ A. Parietal lobe
 - ☐ B. Occipital lobe
 - ☐ C. Temporal lobe
 - ☐ D. Frontal lobe
4. Which number illustrates the parieto-occipital fissure?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 6
5. Which of the following is illustrated by 2?
 - ☐ A. Parietal lobe
 - ☐ B. Occipital lobe
 - ☐ C. Temporal lobe
 - ☐ D. Frontal lobe

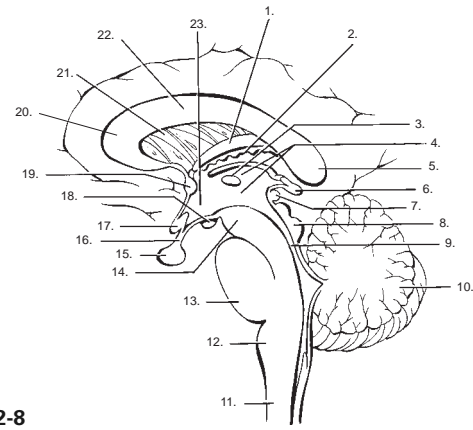


Figure 2-8

1. Which of the following is illustrated by 13?
 - ☐ A. Fornix
 - ☐ B. Pons
 - ☐ C. Pituitary gland
 - ☐ D. Medulla oblongata
2. Which number illustrates the fornix?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 22
 - ☐ D. 14
3. Which of the following is illustrated by 22?
 - ☐ A. Genu of the corpus callosum
 - ☐ B. Body of the corpus callosum
 - ☐ C. Anterior commissure
 - ☐ D. Splenium of the corpus callosum
4. Which number illustrates the cerebral peduncle?
 - ☐ A. 13
 - ☐ B. 12
 - ☐ C. 14
 - ☐ D. 15
5. Which of the following is illustrated by 8?
 - ☐ A. Posterior commissure
 - ☐ B. Cerebral peduncle
 - ☐ C. Pineal body
 - ☐ D. Quadrigeminal plate

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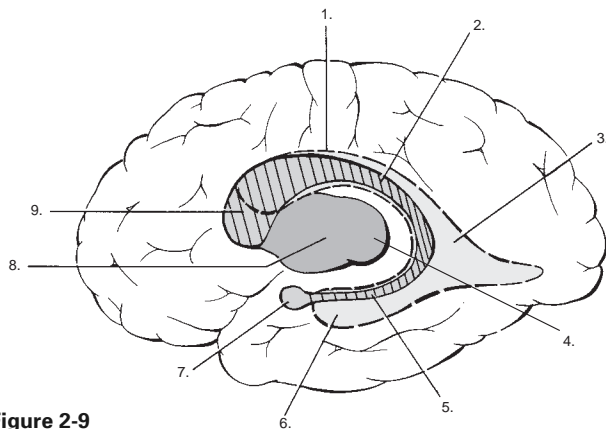


Figure 2-9

- Which number illustrates the body of caudate nucleus?
☐ A. 1
☐ B. 3
☐ C. 2
☐ D. 5
- Which of the following is illustrated by 6?
☐ A. Anterior horn of lateral ventricle
☐ B. Thalamus
☐ C. Putamen
☐ D. Inferior horn of lateral ventricle
- Which number illustrates the thalamus?
☐ A. 1
☐ B. 4
☐ C. 8
☐ D. 6
- Which of the following is illustrated by 1?
☐ A. Head of caudate nucleus
☐ B. Putamen
☐ C. Inferior horn of lateral ventricle
☐ D. Anterior horn of lateral ventricle
- Which of the following is illustrated by 3?
☐ A. Collateral trigone of the lateral ventricle
☐ B. Anterior horn of the lateral ventricle
☐ C. Inferior horn of the lateral ventricle
☐ D. Head of the caudate nucleus

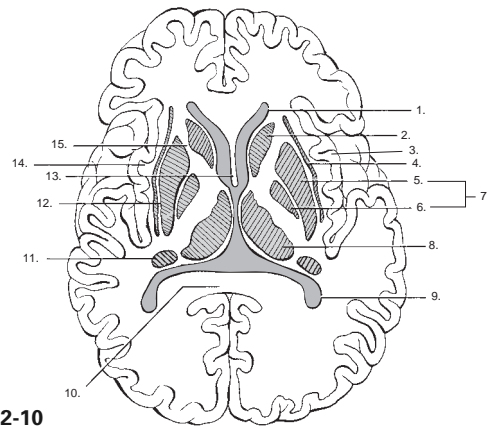


Figure 2-10

- Which of the following is illustrated by 2?
☐ A. Fornix
☐ B. Splenium of the corpus callosum
☐ C. Head of the caudate nucleus
☐ D. Thalamus
- Which number illustrates the insula?
☐ A. 1
☐ B. 3
☐ C. 2
☐ D. 4
- Which of the following is illustrated by 1?
☐ A. Anterior horn of the lateral ventricle
☐ B. Inferior horn of the lateral ventricle
☐ C. Splenium of the corpus callosum
☐ D. Posterior horn of the lateral ventricle
- Which number illustrates the globus pallidus?
☐ A. 3
☐ B. 12
☐ C. 4
☐ D. 6
- Which of the following is illustrated by 10?
☐ A. Splenium of the corpus callosum
☐ B. Head of the caudate nucleus
☐ C. Body of the caudate nucleus
☐ D. Thalamus

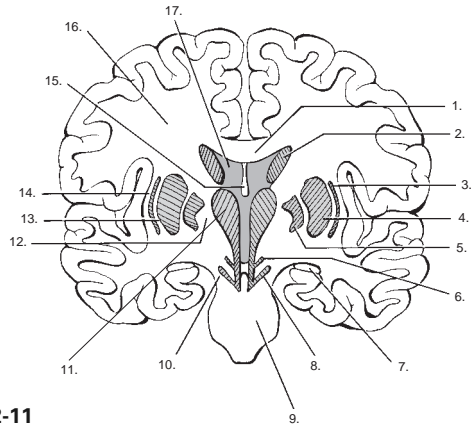


Figure 2-11

1. Which of the following is illustrated by 11?
 - ☐ A. Putamen
 - ☐ B. Thalamus
 - ☐ C. Globus pallidus
 - ☐ D. Caudate nucleus
2. Which number illustrates the lateral ventricle?
 - ☐ A. 17
 - ☐ B. 16
 - ☐ C. 11
 - ☐ D. 8
3. Which of the following is illustrated by 1?
 - ☐ A. Corpus callosum
 - ☐ B. Caudate nucleus
 - ☐ C. Cerebral peduncle
 - ☐ D. Pineal gland
4. Which number illustrates the cerebral peduncle?
 - ☐ A. 3
 - ☐ B. 12
 - ☐ C. 10
 - ☐ D. 17
5. Which of the following is illustrated by 8?
 - ☐ A. Putamen
 - ☐ B. Globus pallidus
 - ☐ C. Thalamus
 - ☐ D. Substantia nigra

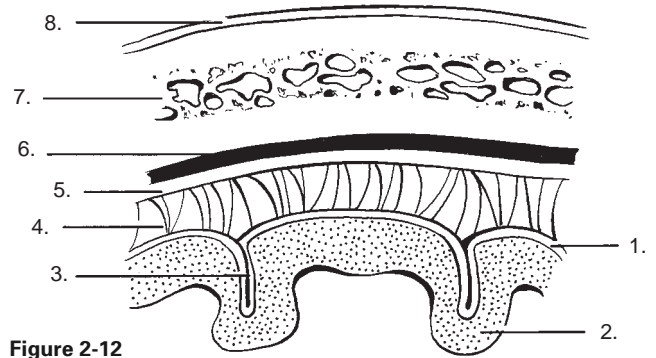


Figure 2-12

1. Which of the following is illustrated by 4?
 - ☐ A. Dura mater
 - ☐ B. Pia mater
 - ☐ C. Arachnoid mater
 - ☐ D. Subarachnoid space
2. Which number illustrates the pia mater?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 5?
 - ☐ A. Arachnoid mater
 - ☐ B. Pia mater
 - ☐ C. Dura mater
 - ☐ D. Sulcus
4. Which number illustrates the dura mater?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 7
5. Which of the following is illustrated by 2?
 - ☐ A. Sulcus
 - ☐ B. Gray matter
 - ☐ C. Dura mater
 - ☐ D. Pia mater

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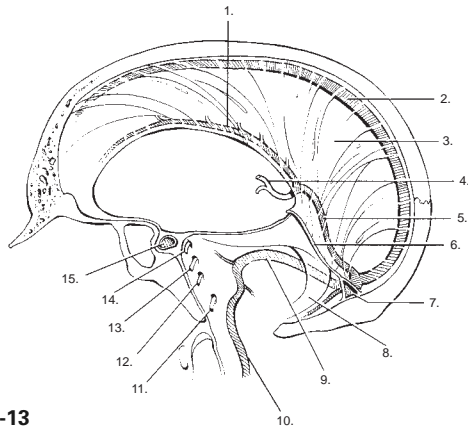


Figure 2-13

- Which of the following is illustrated by 3?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Falx cerebri
 - ☐ C. Tentorium cerebelli
 - ☐ D. Falx cerebelli
- Which number illustrates the vein of Galen?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
- Which of the following is illustrated by 7?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Straight sinus
 - ☐ C. Confluence of the sinuses
 - ☐ D. Transverse sinus
- Which number illustrates the tentorium cerebelli?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 5
- Which of the following is illustrated by 9?
 - ☐ A. Transverse sinus
 - ☐ B. Straight sinus
 - ☐ C. Superior sagittal sinus
 - ☐ D. Confluence of sinuses

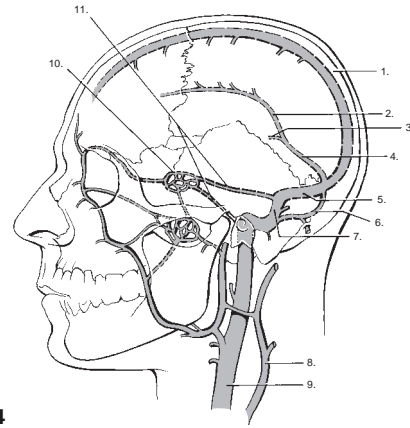


Figure 2-14

- Which number illustrates the body of the inferior sagittal sinus?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 5
- Which of the following is illustrated by 10?
 - ☐ A. Inferior sagittal sinus
 - ☐ B. Cavernous sinus
 - ☐ C. Straight sinus
 - ☐ D. Transverse sinus
- Which number illustrates the internal jugular vein?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 9
- Which of the following is illustrated by 1?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Inferior sagittal sinus
 - ☐ C. Straight sinus
 - ☐ D. Cavernous sinus
- Which of the following is illustrated by 3?
 - ☐ A. Inferior sagittal sinus
 - ☐ B. Vein of Galen
 - ☐ C. Internal jugular vein
 - ☐ D. Cavernous sinus

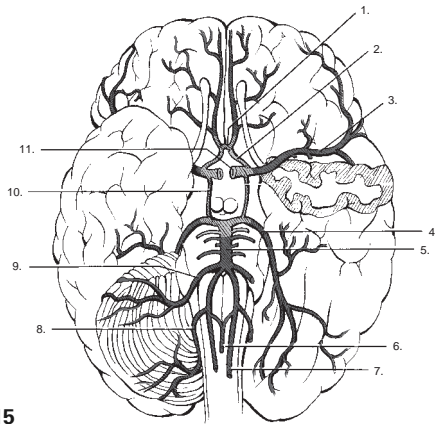


Figure 2-15

1. Which of the following is illustrated by 2?
 - ☐ A. Anterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Posterior cerebral artery
 - ☐ D. Basilar artery
2. Which number illustrates the vertebral artery?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Anterior cerebral artery
 - ☐ B. Basilar artery
 - ☐ C. Anterior communicating artery
 - ☐ D. Posterior communicating artery
4. Which number illustrates the basilar artery?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 6
5. Which of the following is illustrated by 10?
 - ☐ A. Anterior communicating artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Basilar artery
 - ☐ D. Posterior communicating artery

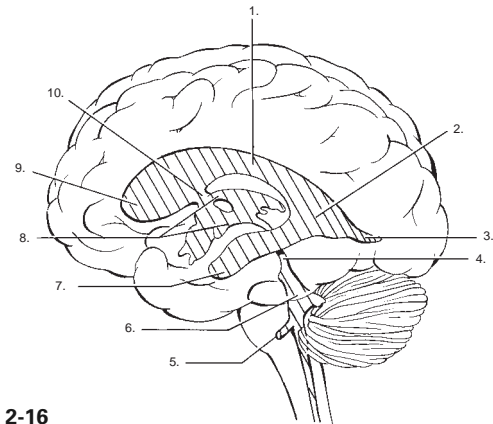


Figure 2-16

1. Which of the following is illustrated by 2?
 - ☐ A. Body of the lateral ventricle
 - ☐ B. Collateral trigone of the lateral ventricle
 - ☐ C. Inferior horn of the lateral ventricle
 - ☐ D. Posterior horn of the lateral ventricle
2. Which number illustrates the cerebral aqueduct?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Body of the lateral ventricle
 - ☐ B. Inferior horn of the lateral ventricle
 - ☐ C. Anterior horn of the lateral ventricle
 - ☐ D. Posterior horn of the lateral ventricle
4. Which number illustrates the 4th ventricle?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 6
5. Which of the following is illustrated by 10?
 - ☐ A. Body of the lateral ventricle
 - ☐ B. Third ventricle
 - ☐ C. Interventricular foramen (of Monro)
 - ☐ D. Fourth ventricle

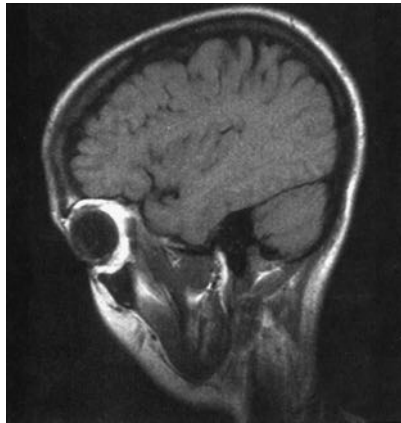


Figure 2-17

1. Which number illustrates the insula?
☐ A. 5
☐ B. 2
☐ C. 1
☐ D. 3
2. Which of the following is illustrated by 3?
☐ A. Maxillary sinus
☐ B. Sphenoid sinus
☐ C. Frontal sinus
☐ D. Mastoid air cells
3. Which number illustrates the cerebellum?
☐ A. 3
☐ B. 5
☐ C. 2
☐ D. 1
4. Which of the following is illustrated by 5?
☐ A. Sulci
☐ B. Inferior rectus muscle
☐ C. Fat in the bony orbit
☐ D. Maxillary sinus
5. Which of the following is illustrated by 4?
☐ A. Globe of the eye
☐ B. Superior rectus muscle
☐ C. Optic nerve
☐ D. Inferior rectus muscle

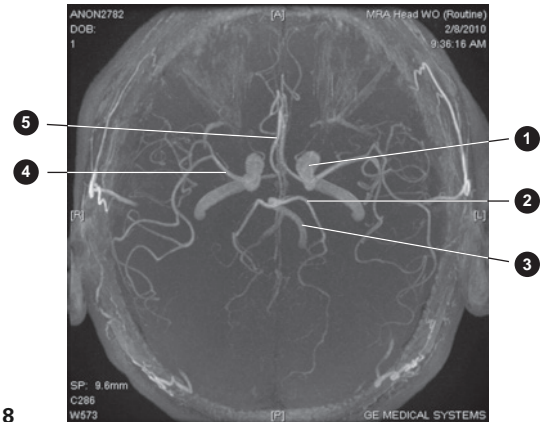


Figure 2-18

1. Which number illustrates the anterior cerebral artery?
☐ A. 5
☐ B. 2
☐ C. 1
☐ D. 3
2. Which of the following is illustrated by 3?
☐ A. Vertebral artery
☐ B. Posterior cerebral artery
☐ C. Middle cerebral artery
☐ D. Anterior cerebral artery
3. Which number illustrates the internal carotid artery?
☐ A. 3
☐ B. 4
☐ C. 2
☐ D. 1
4. Which of the following is illustrated by 2?
☐ A. Vertebral artery
☐ B. Anterior cerebral artery
☐ C. Internal carotid artery
☐ D. Posterior cerebral artery
5. Which of the following is illustrated by 4?
☐ A. Vertebral artery
☐ B. Internal carotid artery
☐ C. Middle cerebral artery
☐ D. Anterior cerebral artery

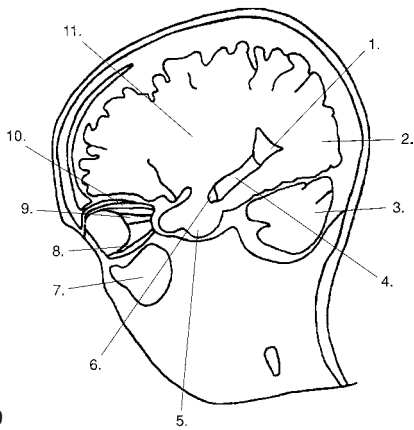
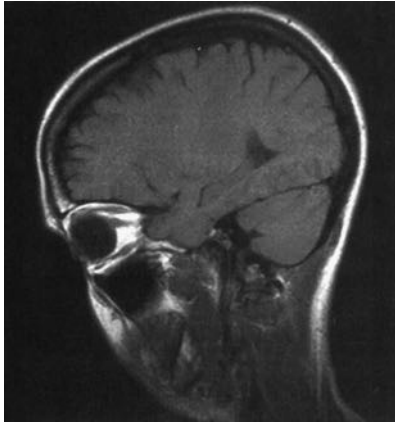


Figure 2-19

1. Which of the following is illustrated by 4?
 - ☐ A. Posterior horn of the lateral ventricle
 - ☐ B. Body of the caudate nucleus
 - ☐ C. Thalamus
 - ☐ D. Inferior horn of the lateral ventricle
2. Which number illustrates the inferior horn of the lateral ventricle?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 7
3. Which of the following is illustrated by 1?
 - ☐ A. Body of the caudate nucleus
 - ☐ B. Insula
 - ☐ C. Posterior horn of the lateral ventricle
 - ☐ D. Inferior horn of the lateral ventricle
4. Which of the following is illustrated by 9?
 - ☐ A. Superior rectus muscle
 - ☐ B. Inferior rectus muscle
 - ☐ C. Optic nerve
 - ☐ D. Fat in the bony orbit
5. Which number illustrates the superior rectus muscle?
 - ☐ A. 9
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 10

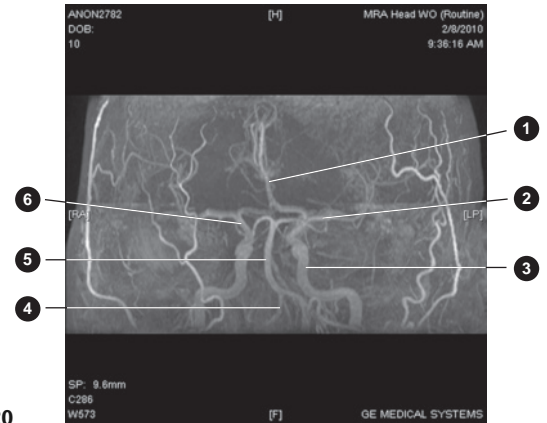


Figure 2-20

1. Which of the following is illustrated by 4?
 - ☐ A. Internal carotid artery
 - ☐ B. Basilar artery
 - ☐ C. Posterior cerebral artery
 - ☐ D. Vertebral artery
2. Which number illustrates the middle cerebral artery?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 1?
 - ☐ A. Vertebral artery
 - ☐ B. Internal carotid artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Basilar artery
4. Which of the following is illustrated by 5?
 - ☐ A. Basilar artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Vertebral artery
 - ☐ D. Internal carotid artery
5. Which number illustrates the posterior cerebral artery?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2

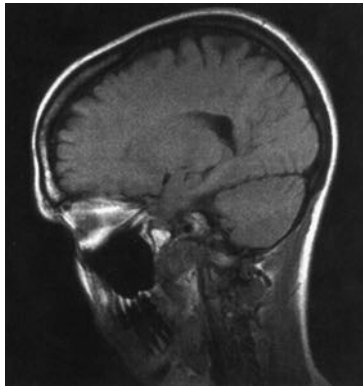


Figure 2-21

1. Which of the following is illustrated by 6?
 - ☐ A. Thalamus
 - ☐ B. Lenticular nuclei
 - ☐ C. Insula
 - ☐ D. Occipital lobe
2. Which number illustrates the internal capsule?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 1
3. Which of the following is illustrated by 5?
 - ☐ A. Maxillary sinus
 - ☐ B. Frontal sinus
 - ☐ C. Fat in the bony orbit
 - ☐ D. Insula
4. Which number illustrates the cerebellum?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Lenticular nuclei
 - ☐ B. Body of the caudate nucleus
 - ☐ C. Thalamus
 - ☐ D. Internal capsule

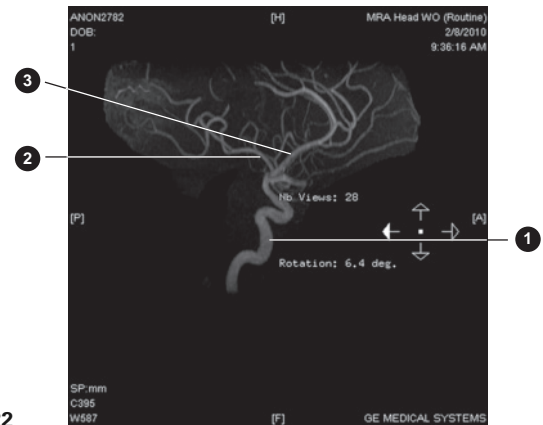


Figure 2-22

1. Which of the following is illustrated by 3?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the middle cerebral artery?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Internal carotid artery

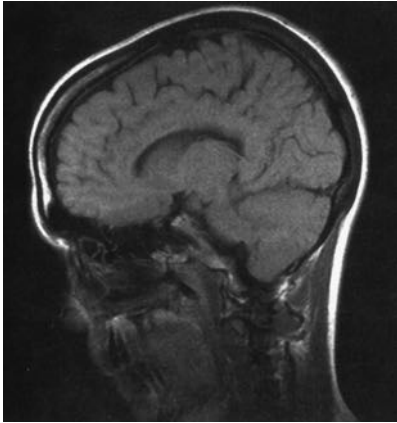


Figure 2-23

1. Which of the following is illustrated by 8?
 - ☐ A. Thalamus
 - ☐ B. Body of the lateral ventricle
 - ☐ C. Head of the caudate
 - ☐ D. Corpus callosum
2. Which number illustrates the anterior horn of the lateral ventricle?
 - ☐ A. 8
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6
3. Which of the following is illustrated by 5?
 - ☐ A. Maxillary sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Frontal sinus
 - ☐ D. Fat in the bony orbit
4. Which number illustrates the corpus callosum?
 - ☐ A. 1
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 6
5. Which of the following is illustrated by 7?
 - ☐ A. Thalamus
 - ☐ B. Head of the caudate
 - ☐ C. Intermediate mass
 - ☐ D. Body of the lateral ventricle

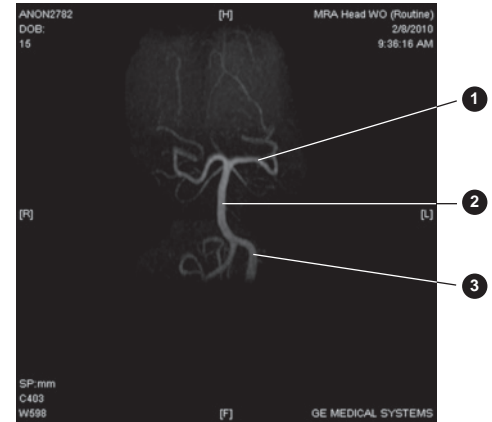


Figure 2-24

1. Which of the following is illustrated by 3?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Vertebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the posterior cerebral artery?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 2?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Basilar artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Vertebral artery

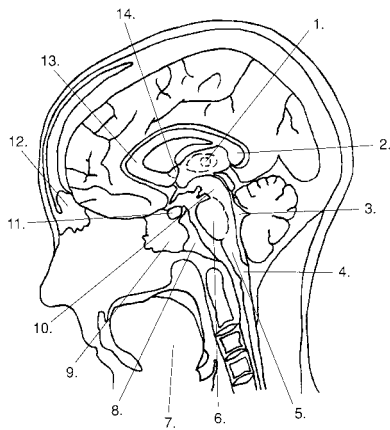
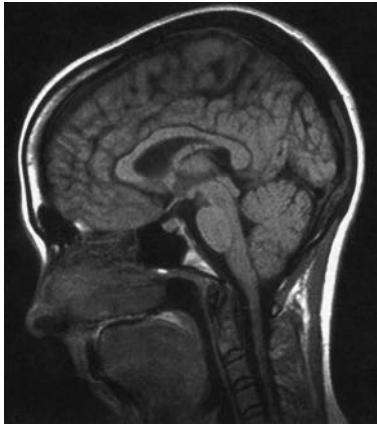


Figure 2-25

1. Which number illustrates the splenium of the corpus callosum?
 - ☐ A. 1
 - ☐ B. 13
 - ☐ C. 2
 - ☐ D. 14
2. Which of the following is illustrated by 10?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Pituitary gland
 - ☐ D. Quadrigeminal plate
3. Which number illustrates the pituitary gland?
 - ☐ A. 11
 - ☐ B. 3
 - ☐ C. 10
 - ☐ D. 6
4. Which of the following is illustrated by 1?
 - ☐ A. Head of the caudate nucleus
 - ☐ B. Anterior commissure
 - ☐ C. Intermediate mass
 - ☐ D. Splenium of the corpus callosum
5. Which of the following is illustrated by 14?
 - ☐ A. Intermediate mass
 - ☐ B. Pituitary gland
 - ☐ C. Genu of the corpus callosum
 - ☐ D. Anterior commissure

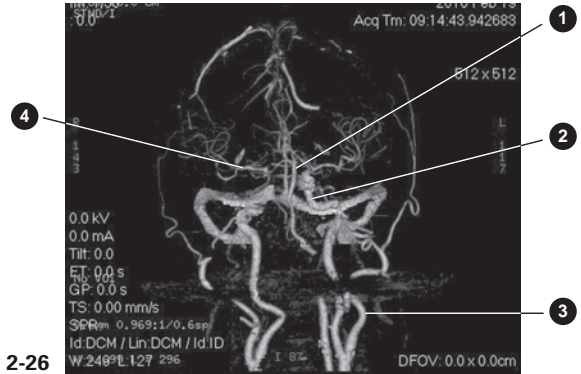


Figure 2-26

1. Which of the following is illustrated by 2?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the middle cerebral artery?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Internal carotid artery

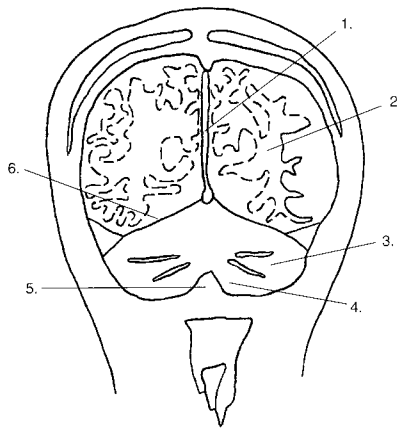
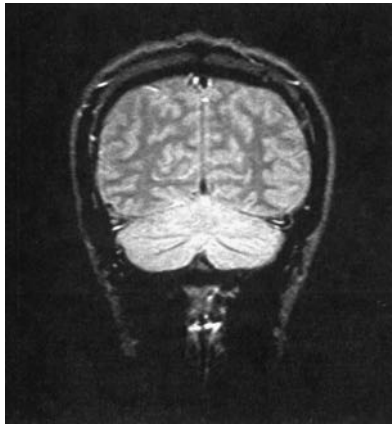


Figure 2-27

1. Which of the following is demonstrated by 2?
 - ☐ A. Occipital lobe
 - ☐ B. Parietal lobe
 - ☐ C. Cerebellar hemisphere
 - ☐ D. Temporal lobe
2. Which number illustrates the cisterna magna?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 4
3. Which of the following is demonstrated by 1?
 - ☐ A. Straight sinus
 - ☐ B. Falx cerebri
 - ☐ C. Superior sagittal sinus
 - ☐ D. Falx cerebelli
4. Which number illustrates the cerebellar tonsil?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 4
5. Which of the following is demonstrated by 3?
 - ☐ A. Cerebellar hemisphere
 - ☐ B. Cerebellar tonsil
 - ☐ C. Occipital lobe
 - ☐ D. Temporal lobe

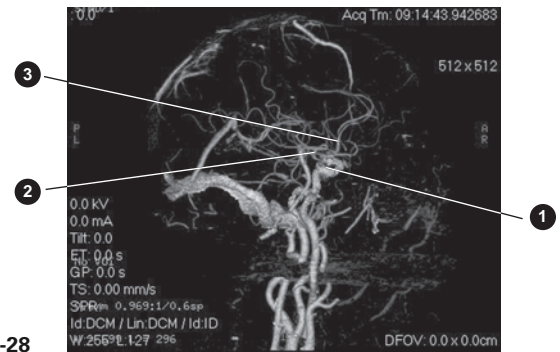


Figure 2-28

1. Which of the following is illustrated by 2?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which of the following is illustrated by 1?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Internal carotid artery
3. Which of the following is illustrated by 3?
 - ☐ A. Internal cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Thalamus
 - ☐ D. Anterior cerebral artery

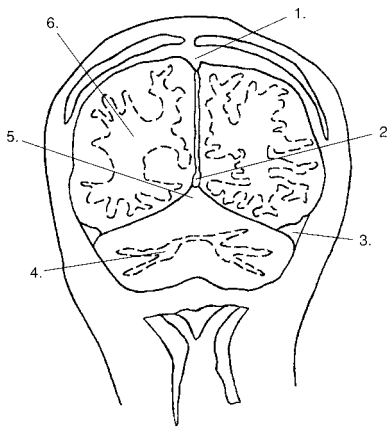
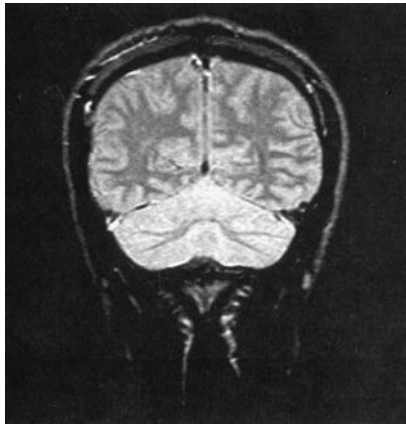


Figure 2-29

1. Which number illustrates the occipital lobe white matter?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 4
2. Which of the following is illustrated by 1?
 - ☐ A. Straight sinus
 - ☐ B. Superior sagittal sinus
 - ☐ C. Transverse sinus
 - ☐ D. Cisterna magna
3. Which number illustrates the superior cerebellar vermis?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Straight sinus
 - ☐ B. Superior sagittal sinus
 - ☐ C. Transverse sinus
 - ☐ D. Cisterna magna
5. Which of the following is illustrated by 3?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Cisterna magna
 - ☐ C. Straight sinus
 - ☐ D. Transverse sinus

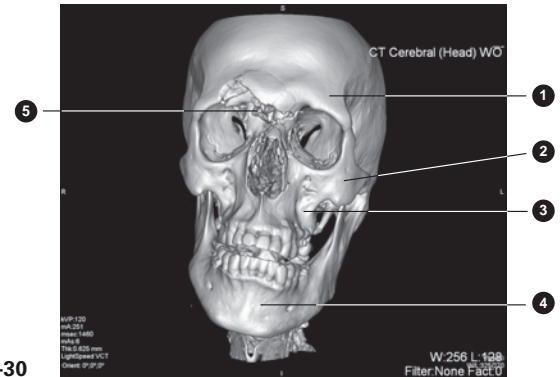


Figure 2-30

1. Which of the following is illustrated by 2?
 - ☐ A. Ethmoid bone
 - ☐ B. Temporal bone
 - ☐ C. Lacrimal bone
 - ☐ D. Zygomatic bone
2. Which number illustrates the mandible?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 3?
 - ☐ A. Mandible
 - ☐ B. Maxilla
 - ☐ C. Frontal bone
 - ☐ D. Zygomatic bone
4. Which number illustrates the frontal bone?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
5. Which of the following is illustrated by 5?
 - ☐ A. Mandible
 - ☐ B. Maxilla
 - ☐ C. Frontal sinus
 - ☐ D. Zygomatic bone

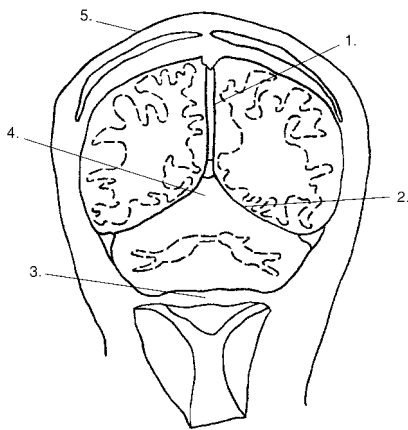
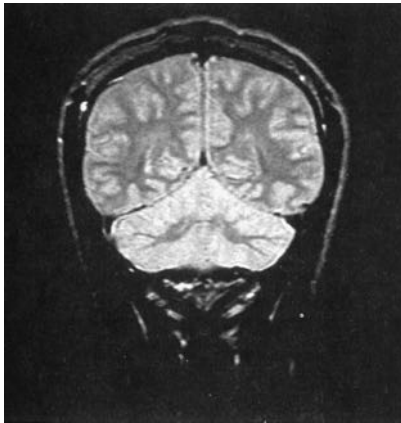


Figure 2-31

1. Which of the following is illustrated by 5?
 - ☐ A. Parietal bone
 - ☐ B. Scalp
 - ☐ C. Tentorium cerebelli
 - ☐ D. Occipital bone
2. Which number illustrates the superior cerebellar vermis?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
3. Which of the following is illustrated by 1?
 - ☐ A. Straight sinus
 - ☐ B. Superior sagittal sinus
 - ☐ C. Falx cerebri
 - ☐ D. Falx cerebelli
4. Which number illustrates the tentorium cerebelli?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Scalp
 - ☐ B. Occipital bone
 - ☐ C. Posterior medulla oblongata
 - ☐ D. Cisterna magna

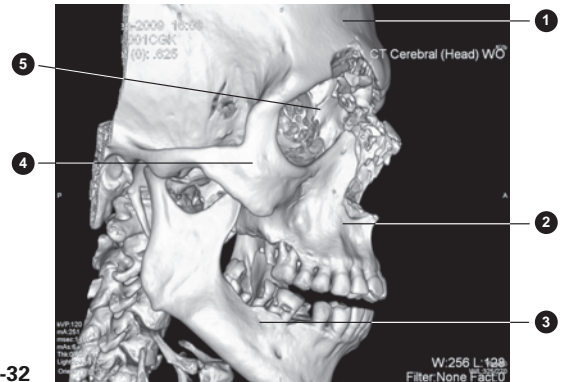
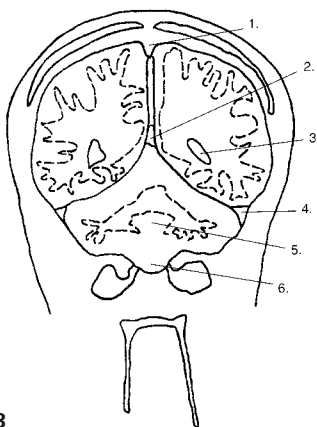
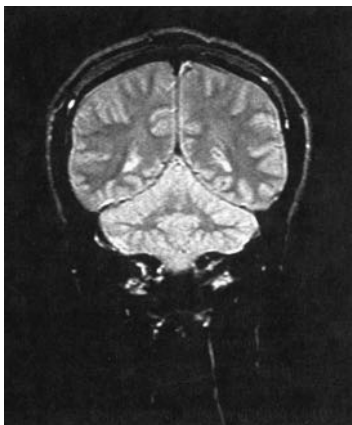
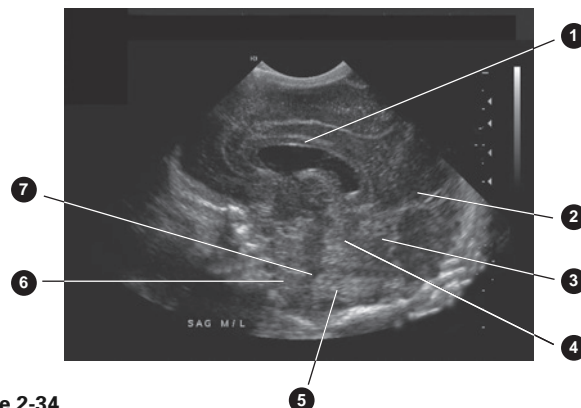


Figure 2-32

1. Which of the following is illustrated by 4?
 - ☐ A. Ethmoid bone
 - ☐ B. Temporal bone
 - ☐ C. Lacrimal bone
 - ☐ D. Zygomatic bone
2. Which number illustrates the mandible?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 2?
 - ☐ A. Mandible
 - ☐ B. Maxilla
 - ☐ C. Frontal bone
 - ☐ D. Zygomatic bone
4. Which number illustrates the frontal bone?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
5. Which of the following is illustrated by 5?
 - ☐ A. Lacrimal bone
 - ☐ B. Maxilla
 - ☐ C. Frontal bone
 - ☐ D. Zygomatic bone

**Figure 2-33**

1. Which number illustrates the 4th ventricle?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 6
2. Which of the following is illustrated by 1?
 - ☐ A. Straight sinus
 - ☐ B. Superior sagittal sinus
 - ☐ C. Cisterna magna
 - ☐ D. Fourth ventricle
3. Which of the following is illustrated by 4?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Transverse sinus
 - ☐ C. Straight sinus
 - ☐ D. Confluence of sinuses
4. Which number illustrates the straight sinus?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Posterior horn of the lateral ventricle
 - ☐ B. Anterior horn of the lateral ventricle
 - ☐ C. Cisterna magna
 - ☐ D. Fourth ventricle

**Figure 2-34**

1. Which number illustrates the corpus callosum?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 8
2. Which of the following is illustrated by 6?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Pituitary gland
 - ☐ D. Quadrigeminal plate
3. Which number illustrates the occipital lobe?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
4. Which of the following is illustrated by 4?
 - ☐ A. Head of the caudate nucleus
 - ☐ B. Quadrigeminal cistern
 - ☐ C. Fourth ventricle
 - ☐ D. Splenium of the corpus callosum
5. Which of the following is illustrated by 7?
 - ☐ A. Intermediate mass
 - ☐ B. Pituitary gland
 - ☐ C. Genu of the corpus callosum
 - ☐ D. Fourth ventricle

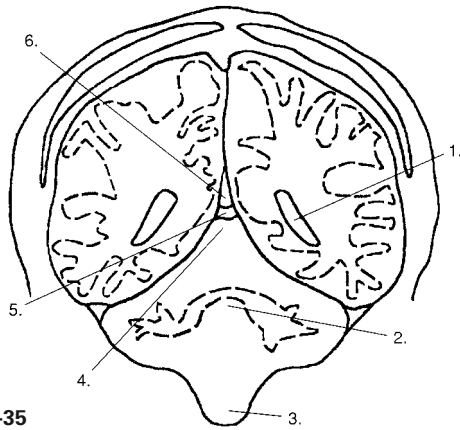
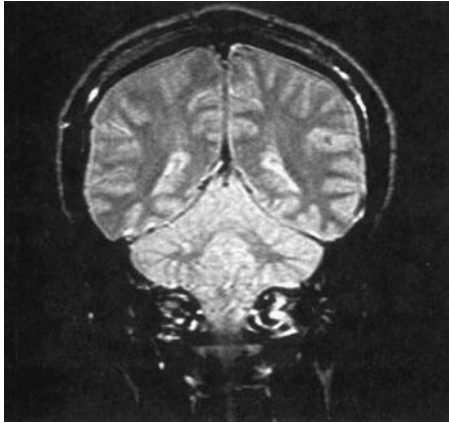


Figure 2-35

1. Which number illustrates the 4th ventricle?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 2
2. Which of the following is illustrated by 6?
 - ☐ A. Superior sagittal sinus
 - ☐ B. Straight sinus
 - ☐ C. Transverse sinus
 - ☐ D. Fourth ventricle
3. Which number illustrates the superior cerebellar vermis?
 - ☐ A. 4
 - ☐ B. 6
 - ☐ C. 1
 - ☐ D. 5
4. Which of the following is illustrated by 5?
 - ☐ A. Superior cerebellar vermis
 - ☐ B. Straight sinus
 - ☐ C. Superior cistern
 - ☐ D. Fourth ventricle
5. Which of the following is illustrated by 1?
 - ☐ A. Posterior horn of the lateral ventricle
 - ☐ B. Transverse sinus
 - ☐ C. Straight sinus
 - ☐ D. Fourth ventricle

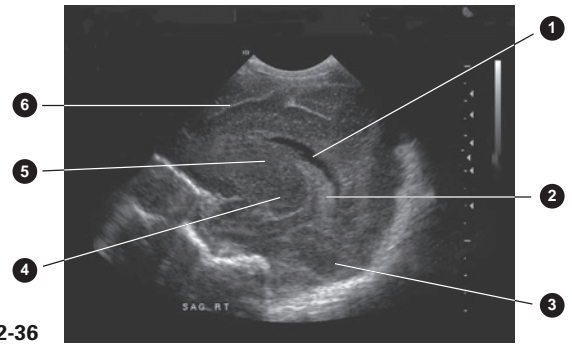


Figure 2-36

1. Which number illustrates the frontal lobe?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
2. Which of the following is illustrated by 5?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Caudate nucleus
 - ☐ D. Thalamus
3. Which number illustrates the thalamus?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 6
4. Which of the following is illustrated by 1?
 - ☐ A. Head of the caudate nucleus
 - ☐ B. Anterior commissure
 - ☐ C. Intermediate mass
 - ☐ D. Lateral ventricle
5. Which of the following is illustrated by 3?
 - ☐ A. Intermediate mass
 - ☐ B. Pituitary gland
 - ☐ C. Occipital lobe
 - ☐ D. Cerebellum

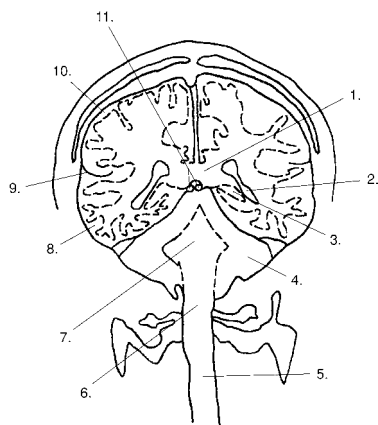
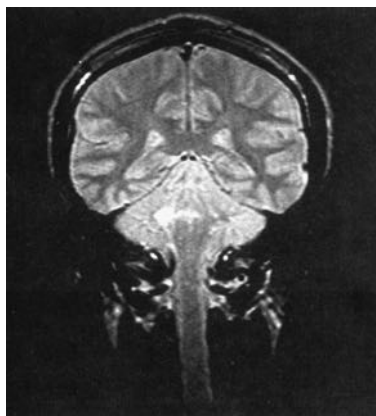


Figure 2-37

1. Which number illustrates the posterior pons?
 - ☐ A. 11
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 7
2. Which of the following is illustrated by 1?
 - ☐ A. Splenium of the corpus callosum
 - ☐ B. Hippocampal formation
 - ☐ C. Anterior commissure
 - ☐ D. Genu of the corpus callosum
3. Which of the following is illustrated by 9?
 - ☐ A. Sylvian fissure
 - ☐ B. Collateral trigone of the lateral ventricle
 - ☐ C. Splenium of the corpus callosum
 - ☐ D. Superior cistern
4. Which number illustrates the hippocampal formation?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 11
5. Which number illustrates the collateral trigone of the lateral ventricle?
 - ☐ A. 2
 - ☐ B. 9
 - ☐ C. 3
 - ☐ D. 1

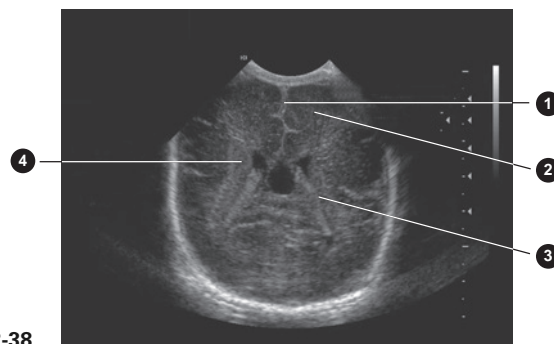


Figure 2-38

1. Which number illustrates the corona radiata?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
2. Which of the following is illustrated by 1?
 - ☐ A. Splenium of the corpus callosum
 - ☐ B. Hippocampal formation
 - ☐ C. Falx cerebri
 - ☐ D. Genu of the corpus callosum
3. Which of the following is illustrated by 3?
 - ☐ A. Sylvian fissure
 - ☐ B. Collateral trigone of the lateral ventricle
 - ☐ C. Splenium of the corpus callosum
 - ☐ D. Superior cistern
4. Which number illustrates the parietal cortex?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 11

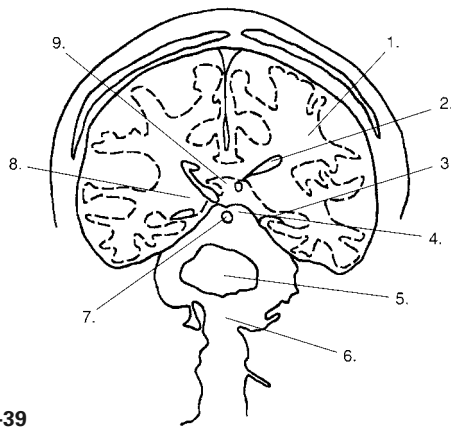
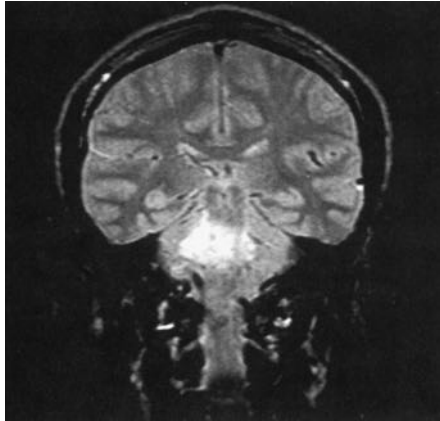


Figure 2-39

1. Which of the following is illustrated by 4?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Cerebral aqueduct
 - ☐ C. Medulla oblongata
 - ☐ D. Corona radiata
2. Which number illustrates the pineal gland?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 3
 - ☐ D. 2
3. Which number illustrates the cerebral aqueduct?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 9
4. Which of the following is illustrated by 1?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Corona radiata
 - ☐ C. Thalamus
 - ☐ D. Body of lateral ventricle
5. Which number illustrates the inferior horn of the lateral ventricle?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 2
 - ☐ D. 3

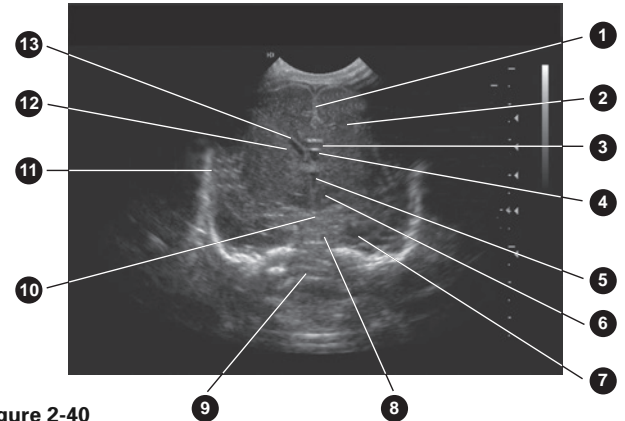


Figure 2-40

1. Which number illustrates the frontal lobe?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
2. Which of the following is illustrated by 8?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Caudate nucleus
 - ☐ D. Thalamus
3. Which number illustrates the thalamus?
 - ☐ A. 10
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 6
4. Which of the following is illustrated by 12?
 - ☐ A. Caudate nucleus
 - ☐ B. Anterior commissure
 - ☐ C. Intermediate mass
 - ☐ D. Lateral ventricle
5. Which of the following is illustrated by 3?
 - ☐ A. Corpus callosum
 - ☐ B. Caudate nucleus
 - ☐ C. Occipital lobe
 - ☐ D. Cerebellum

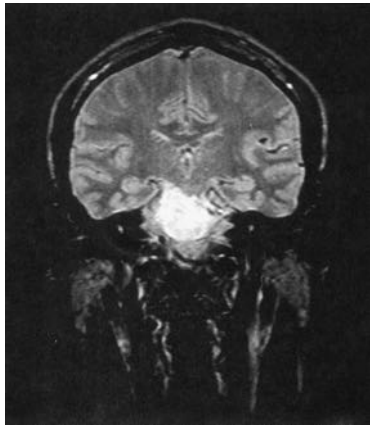


Figure 2-41

1. Which of the following is illustrated by 3?
 - ☐ A. Hippocampal formation
 - ☐ B. Sylvian fissure
 - ☐ C. Head of caudate nucleus
 - ☐ D. Quadrigeminal plate
2. Which number illustrates the insula?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 1
3. Which of the following is illustrated by 2?
 - ☐ A. Pineal gland
 - ☐ B. Third ventricle
 - ☐ C. Pons
 - ☐ D. Cerebral aqueduct
4. Which of the following is illustrated by 6?
 - ☐ A. Sylvian fissure
 - ☐ B. Thalamus
 - ☐ C. Insula
 - ☐ D. Lenticular nuclei
5. Which number illustrates the cerebral peduncles?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 1
 - ☐ D. 5

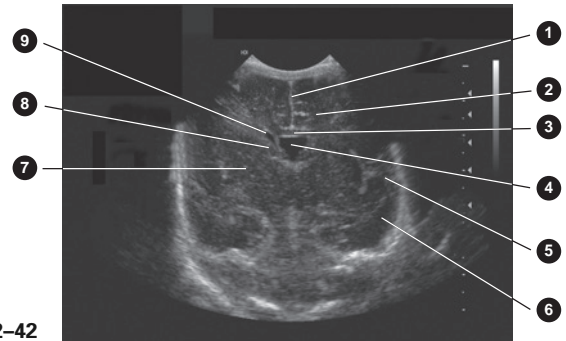


Figure 2-42

1. Which number illustrates the corpus callosum?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 8
2. Which of the following is illustrated by 7?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Pituitary gland
 - ☐ D. Lenticular nuclei
3. Which number illustrates the temporal lobe?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
4. Which of the following is illustrated by 8?
 - ☐ A. Caudate nucleus
 - ☐ B. Pituitary gland
 - ☐ C. Genu of the corpus callosum
 - ☐ D. Fourth ventricle
5. Which of the following is illustrated by 4?
 - ☐ A. 4th ventricle
 - ☐ B. Collateral trigone of lateral ventricle
 - ☐ C. Posterior horn of lateral ventricle
 - ☐ D. Septum pellucidum

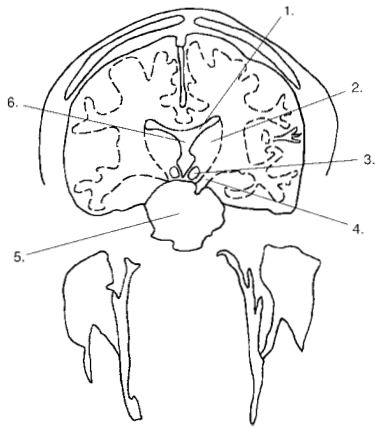
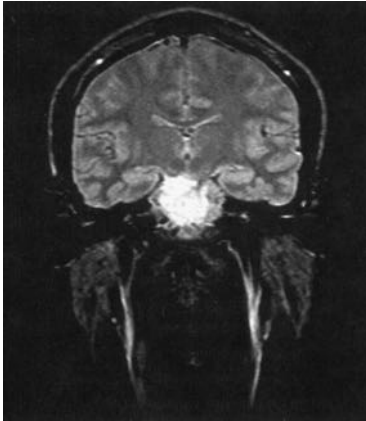


Figure 2-43

1. Which number illustrates the thalamus?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 2
2. Which of the following is illustrated by 4?
 - ☐ A. Red nucleus
 - ☐ B. Substantia nigra
 - ☐ C. Quadrigeminal formation
 - ☐ D. Quadrigeminal plate
3. Which number illustrates the red nucleus?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 1?
 - ☐ A. Insula
 - ☐ B. Thalamus
 - ☐ C. Third ventricle
 - ☐ D. Body of the lateral ventricle
5. Which of the following is illustrated by 6?
 - ☐ A. Fourth ventricle
 - ☐ B. Collateral trigone of the lateral ventricle
 - ☐ C. Third ventricle
 - ☐ D. Body of the lateral ventricle

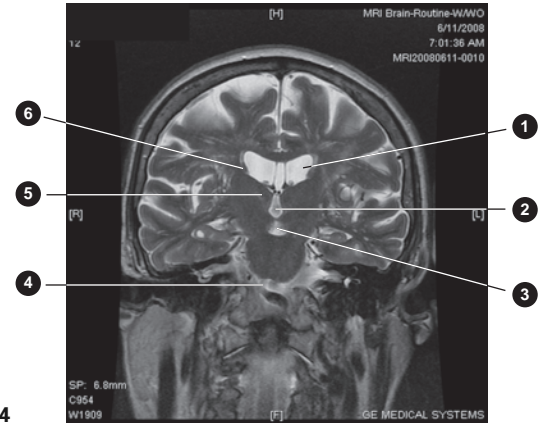


Figure 2-44

1. Which number illustrates the caudate nucleus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
2. Which of the following is illustrated by 5?
 - ☐ A. Pons
 - ☐ B. Cerebral peduncles
 - ☐ C. Thalamus
 - ☐ D. Lenticular nuclei
3. Which number illustrates the body of the lateral ventricle?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
4. Which of the following is illustrated by 4?
 - ☐ A. Fourth ventricle
 - ☐ B. Quadrigeminal cistern
 - ☐ C. Interpeduncular cistern
 - ☐ D. Pontine cistern
5. Which of the following is illustrated by 3?
 - ☐ A. Fourth ventricle
 - ☐ B. Quadrigeminal cistern
 - ☐ C. Interpeduncular cistern
 - ☐ D. Fourth ventricle

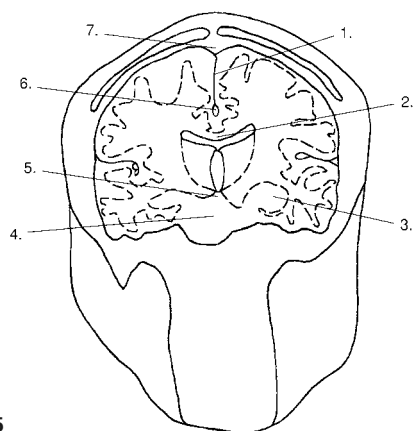
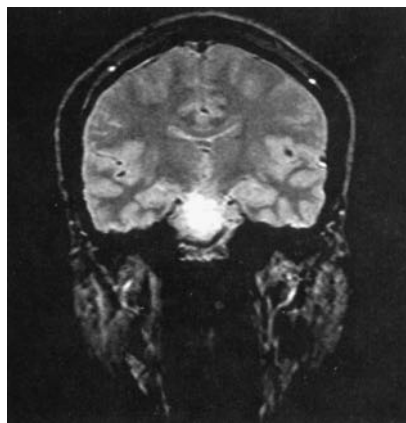


Figure 2-45

1. Which number illustrates the body of the corpus callosum?
☐ A. 2
☐ B. 1
☐ C. 3
☐ D. 1
2. Which of the following is illustrated by 4?
☐ A. Hippocampal formation
☐ B. Quadrigeminal plate
☐ C. Midbrain
☐ D. Pons
3. Which of the following is illustrated by 7?
☐ A. Superior sagittal sinus
☐ B. Falx cerebri
☐ C. Cisterna magna
☐ D. Inferior sagittal sinus
4. Which number illustrates the midbrain?
☐ A. 2
☐ B. 1
☐ C. 5
☐ D. 4
5. Which of the following is illustrated by 6?
☐ A. Superior sagittal sinus
☐ B. Inferior sagittal sinus
☐ C. Straight sinus
☐ D. Superior cistern

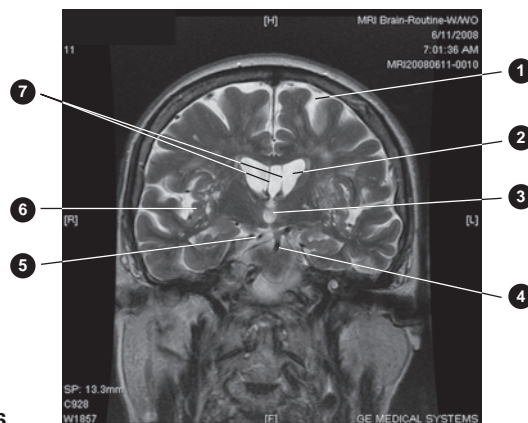


Figure 2-46

1. Which number illustrates the posterior cerebral artery?
☐ A. 5
☐ B. 3
☐ C. 2
☐ D. 6
2. Which of the following is illustrated by 6?
☐ A. Hippocampal formation
☐ B. Cerebral peduncles
☐ C. Thalamus
☐ D. Insula
3. Which number illustrates the body of the lateral ventricle?
☐ A. 2
☐ B. 4
☐ C. 1
☐ D. 6
4. Which of the following is illustrated by 3?
☐ A. Fourth ventricle
☐ B. Quadrigeminal cistern
☐ C. Interpeduncular cistern
☐ D. Third ventricle
5. Which of the following is illustrated by 4?
☐ A. Internal carotid artery
☐ B. Basilar artery
☐ C. Vertebral artery
☐ D. Posterior cerebral artery

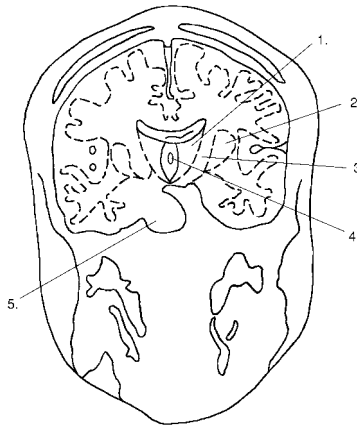
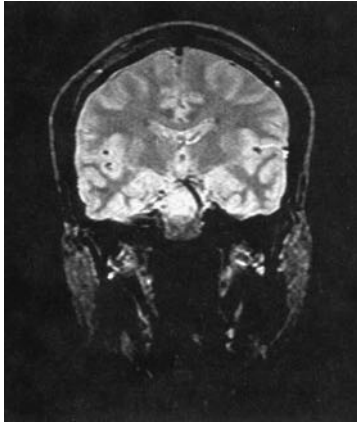


Figure 2-47

1. Which of the following is illustrated by 3?
 - ☐ A. Thalamus
 - ☐ B. Body of the corpus callosum
 - ☐ C. Internal capsule
 - ☐ D. Lenticular nuclei
2. Which of the following is illustrated by 5?
 - ☐ A. Globus pallidus
 - ☐ B. Hippocampal formation
 - ☐ C. Midbrain
 - ☐ D. Anterior pons
3. Which of the following is illustrated by 2?
 - ☐ A. Lenticular nuclei
 - ☐ B. Body of the corpus callosum
 - ☐ C. Internal capsule
 - ☐ D. Thalamus
4. Which of the following is illustrated by 4?
 - ☐ A. Superior cistern
 - ☐ B. Fourth ventricle
 - ☐ C. Cerebral aqueduct
 - ☐ D. Third ventricle
5. Which number illustrates the thalamus?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4

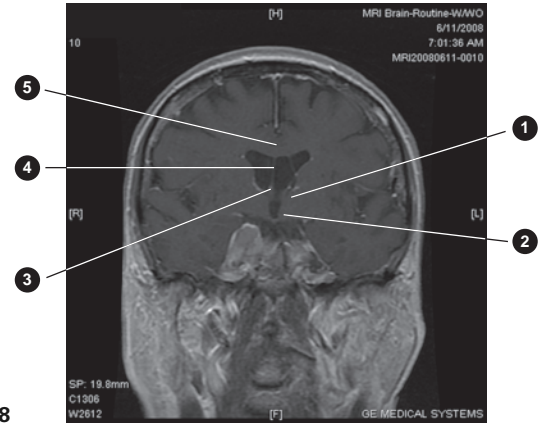


Figure 2-48

1. Which number illustrates the corpus callosum?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
2. Which of the following is illustrated by 3?
 - ☐ A. Hippocampal formation
 - ☐ B. Cerebral peduncles
 - ☐ C. Fornix
 - ☐ D. Hypothalamus
3. Which number illustrates the thalamus?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
4. Which of the following is illustrated by 2?
 - ☐ A. Hypothalamus
 - ☐ B. Quadrigeminal cistern
 - ☐ C. Interpeduncular cistern
 - ☐ D. Thalamus
5. Which of the following is illustrated by 4?
 - ☐ A. Corpus callosum
 - ☐ B. Septum pellucidum
 - ☐ C. Fornix
 - ☐ D. Thalamus

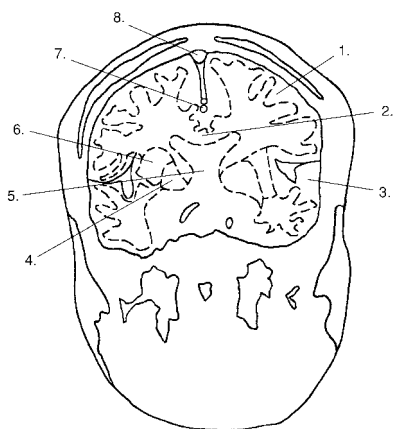
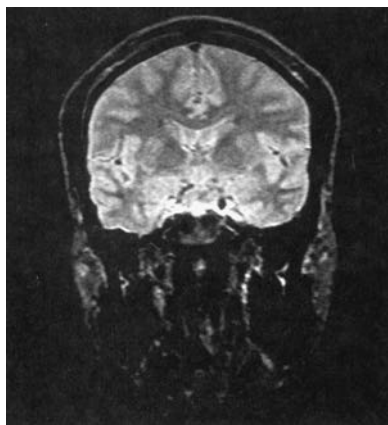


Figure 2-49

1. Which number illustrates the thalamus?
☐ A. 6
☐ B. 4
☐ C. 5
☐ D. 7
2. Which of the following is illustrated by 1?
☐ A. Superior sagittal sinus
☐ B. Frontal lobe
☐ C. Temporal lobe
☐ D. Occipital lobe
3. Which of the following is illustrated by 6?
☐ A. Body of the corpus callosum
☐ B. Globus pallidus
☐ C. Thalamus
☐ D. Putamen
4. Which number illustrates the globus pallidus?
☐ A. 4
☐ B. 2
☐ C. 6
☐ D. 3
5. Which of the following is illustrated by 3?
☐ A. Occipital lobe
☐ B. Parietal lobe
☐ C. Temporal lobe
☐ D. Globus pallidus

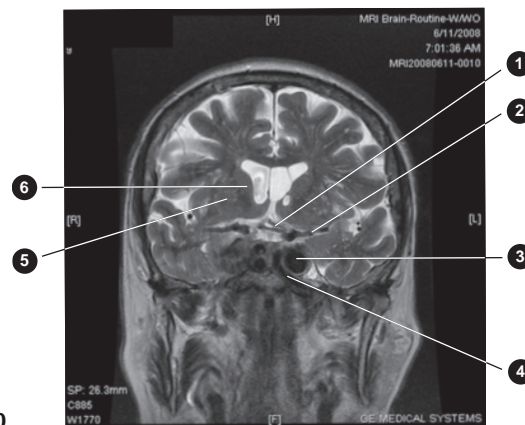


Figure 2-50

1. Which of the following is illustrated by 2?
☐ A. Middle cerebral artery
☐ B. Anterior cerebral artery
☐ C. Internal carotid artery
☐ D. Basilar artery
2. Which number illustrates the anterior cerebral artery?
☐ A. 1
☐ B. 3
☐ C. 2
☐ D. 4
3. Which of the following is illustrated by 4?
☐ A. Posterior cerebral artery
☐ B. Middle cerebral artery
☐ C. Anterior cerebral artery
☐ D. Internal carotid artery
4. Which of the following is illustrated by 5?
☐ A. Caudate nucleus
☐ B. Globus pallidus
☐ C. Putamen
☐ D. Insula
5. Which number illustrates the cavernous sinus?
☐ A. 3
☐ B. 1
☐ C. 2
☐ D. 4

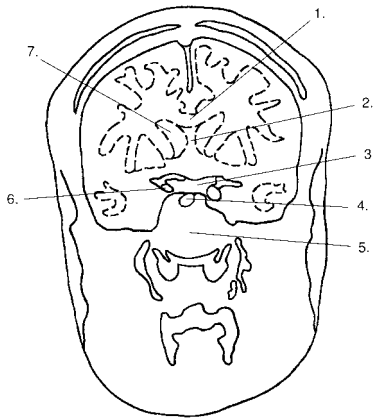
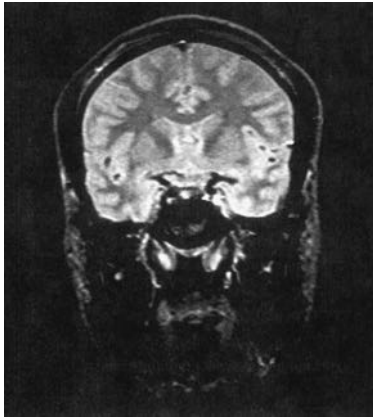


Figure 2-51

1. Which number illustrates the anterior horn of the lateral ventricle?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 5
2. Which of the following is illustrated by 7?
 - ☐ A. Anterior horn of the lateral ventricle
 - ☐ B. Body of the corpus callosum
 - ☐ C. Head of the caudate nucleus
 - ☐ D. Thalamus
3. Which number illustrates the optic chiasma?
 - ☐ A. 4
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 4?
 - ☐ A. Pituitary gland
 - ☐ B. Sphenoid sinus
 - ☐ C. Third ventricle
 - ☐ D. Optic chiasma
5. Which of the following is illustrated by 6?
 - ☐ A. Optic nerve
 - ☐ B. Pituitary gland
 - ☐ C. Internal carotid artery
 - ☐ D. Vertebral artery

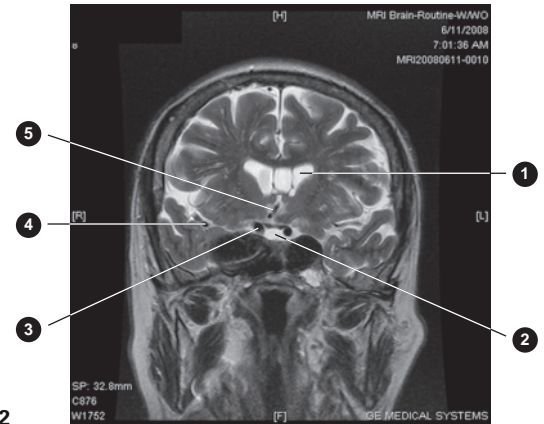
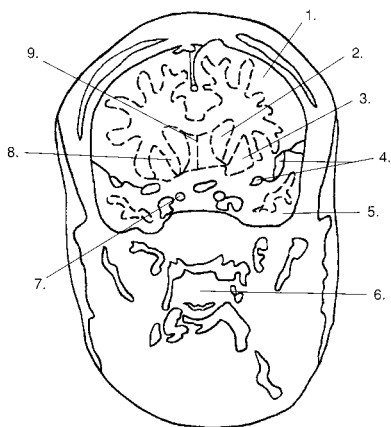
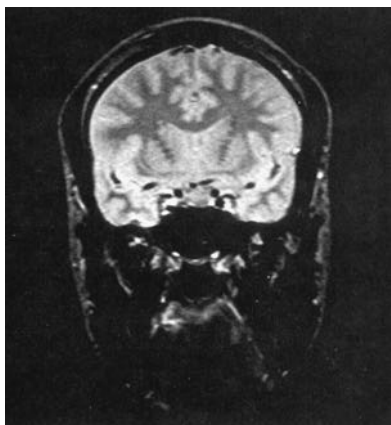
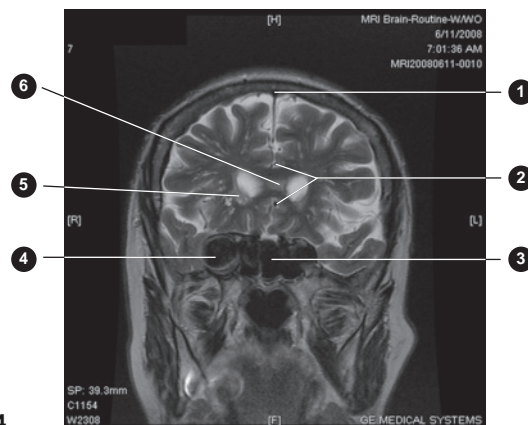


Figure 2-52

1. Which of the following is illustrated by 3?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the middle cerebral artery?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 5?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Internal carotid artery
4. Which number illustrates the anterior horn of the lateral ventricle?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
5. Which of the following is illustrated by 2?
 - ☐ A. Fourth ventricle
 - ☐ B. Quadrigeminal cistern
 - ☐ C. Interpeduncular cistern
 - ☐ D. Third ventricle

**Figure 2-53**

- Which of the following is illustrated by 8?
 - ☐ A. Internal capsule
 - ☐ B. Head of the caudate nucleus
 - ☐ C. Globus pallidus
 - ☐ D. Septum pellucidum
- Which of the following is illustrated by 3?
 - ☐ A. Head of the caudate nucleus
 - ☐ B. Septum pellucidum
 - ☐ C. Lenticular nuclei
 - ☐ D. Internal carotid artery
- Which number illustrates the septum pellucidum?
 - ☐ A. 8
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 9
- Which number illustrates the internal carotid artery?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
- Which of the following is illustrated by 6?
 - ☐ A. Sphenoid sinus
 - ☐ B. Nasopharynx
 - ☐ C. Mastoid sinus
 - ☐ D. Oropharynx

**Figure 2-54**

- Which of the following is illustrated by 2?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
- Which number illustrates the sphenoid sinus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
- Which of the following is illustrated by 4?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Internal carotid artery
- Which number illustrates the corpus callosum?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
- Which of the following is illustrated by 5?
 - ☐ A. Caudate nucleus
 - ☐ B. Quadrigeminal plate
 - ☐ C. Cerebral peduncles
 - ☐ D. Hypothalamus

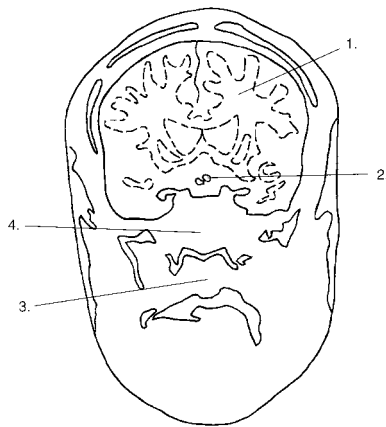
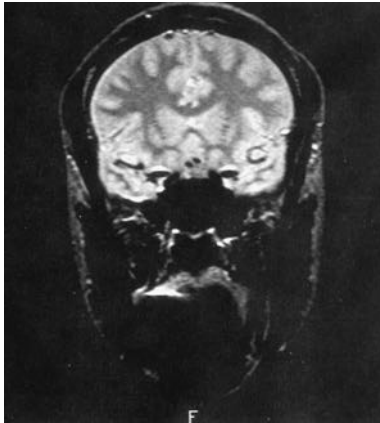


Figure 2-55

1. Which of the following is illustrated by 1?
 - ☐ A. White matter of the parietal lobe
 - ☐ B. White matter of the frontal lobe
 - ☐ C. Internal capsule
 - ☐ D. External capsule
2. Which of the following is illustrated by 2?
 - ☐ A. Straight sinus
 - ☐ B. Inferior sagittal sinus
 - ☐ C. Anterior cerebral artery
 - ☐ D. Middle cerebral artery
3. Which of the following is illustrated by 4?
 - ☐ A. Sphenoid sinus
 - ☐ B. Ethmoid air cells
 - ☐ C. Nasopharynx
 - ☐ D. Oropharynx
4. Which number illustrates the nasopharynx?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1

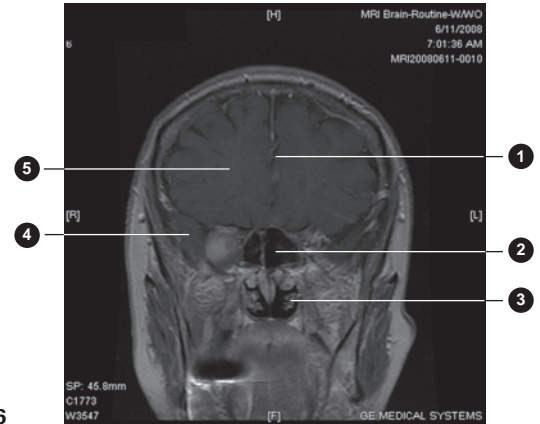
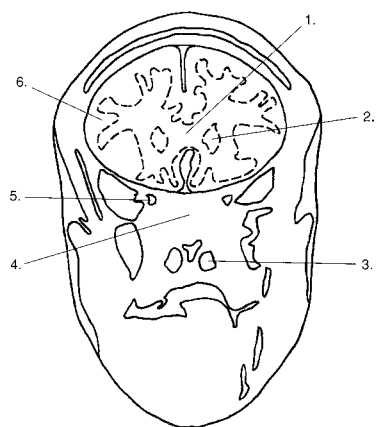
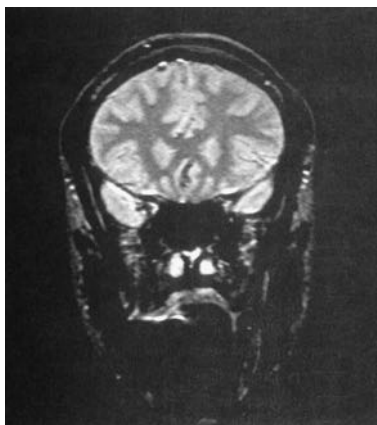


Figure 2-56

1. Which of the following is illustrated by 1?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the sphenoid sinus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 4?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe
4. Which number illustrates the inferior nasal concha?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
5. Which of the following is illustrated by 5?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe

**Figure 2-57**

1. Which of the following is illustrated by 2?
 - ☐ A. Tail of the caudate nucleus
 - ☐ B. Head of the caudate nucleus
 - ☐ C. Lenticular nuclei
 - ☐ D. Thalamus
2. Which number illustrates the inferior nasal concha?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
3. Which of the following is illustrated by 4?
 - ☐ A. Sphenoid sinus
 - ☐ B. Nasopharynx
 - ☐ C. Maxillary sinus
 - ☐ D. Oropharynx
4. Which of the following is illustrated by 1?
 - ☐ A. Head of the caudate nucleus
 - ☐ B. Genu of the corpus callosum
 - ☐ C. Lenticular nuclei
 - ☐ D. Septum pellucidum
5. Which of the following is illustrated by 5?
 - ☐ A. Anterior cerebral artery
 - ☐ B. Internal carotid artery
 - ☐ C. Optic nerve
 - ☐ D. Posterior cerebral artery

**Figure 2-58**

1. Which of the following is illustrated by 1?
 - ☐ A. Maxillary sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Confluence of the sinuses
2. Which number illustrates the ethmoid sinus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 3?
 - ☐ A. Septum pellucidum
 - ☐ B. Nasal septum
 - ☐ C. Inferior nasal concha
 - ☐ D. Basilar artery
4. Which number illustrates the inferior nasal concha?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
5. Which of the following is illustrated by 5?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe

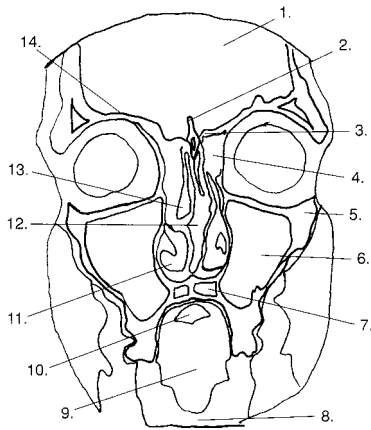


Figure 2-59

1. Which of the following is illustrated by 6?
 - ☐ A. Sphenoid sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Maxillary sinus
 - ☐ D. Frontal sinus
2. Which of the following is illustrated by 13?
 - ☐ A. Superior concha
 - ☐ B. Middle concha
 - ☐ C. Inferior concha
 - ☐ D. Nasal septum
3. Which of the following is illustrated by 5?
 - ☐ A. Ethmoid
 - ☐ B. Zygoma
 - ☐ C. Maxilla
 - ☐ D. Palatine
4. Which number illustrates the cribriform plate?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 14
 - ☐ D. 7
5. Which number illustrates the crista galli?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 14

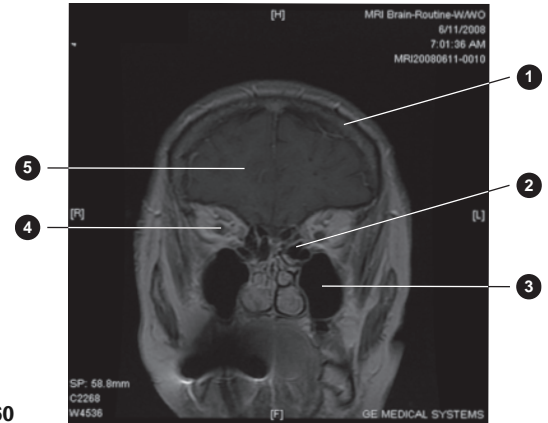


Figure 2-60

1. Which of the following is illustrated by 4?
 - ☐ A. Optic nerve
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the ethmoid sinus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 5?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe
4. Which number illustrates the maxillary sinus?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
5. Which of the following is illustrated by 1?
 - ☐ A. Occipital bone
 - ☐ B. Temporal bone
 - ☐ C. Parietal bone
 - ☐ D. Frontal bone



Figure 2-61

1. Which of the following is illustrated by 9?
 - ☐ A. Superior concha
 - ☐ B. Middle concha
 - ☐ C. Inferior concha
 - ☐ D. Ethmoid sinus
2. Which of the following is illustrated by 1?
 - ☐ A. Crista galli
 - ☐ B. Perpendicular plate of the ethmoid
 - ☐ C. Vomer
 - ☐ D. Cribriform plate
3. Which of the following is illustrated by 12?
 - ☐ A. Crista galli
 - ☐ B. Vomer
 - ☐ C. Orbital plate of the frontal bone
 - ☐ D. Cribriform plate
4. Which number illustrates the inferior concha?
 - ☐ A. 10
 - ☐ B. 9
 - ☐ C. 7
 - ☐ D. 4
5. Which number illustrates the ethmoid sinus?
 - ☐ A. 9
 - ☐ B. 10
 - ☐ C. 8
 - ☐ D. 4

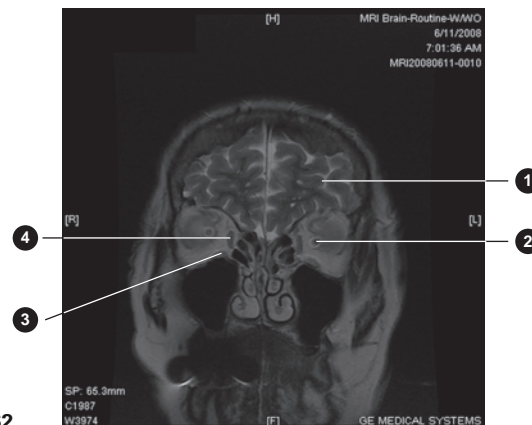


Figure 2-62

1. Which of the following is illustrated by 2?
 - ☐ A. Optic nerve
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the medial rectus muscle?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe
4. Which number illustrates the inferior rectus muscle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1

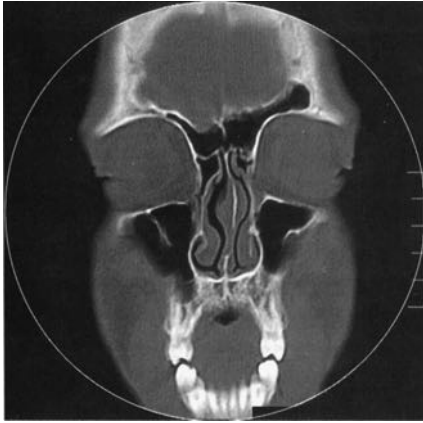


Figure 2-63

1. Which of the following is illustrated by 9?
 - ☐ A. Sphenoid sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Frontal sinus
 - ☐ D. Maxillary sinus
2. Which of the following is illustrated by 1?
 - ☐ A. Sphenoid sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Frontal sinus
 - ☐ D. Maxillary sinus
3. Which of the following is illustrated by 7?
 - ☐ A. Inferior concha
 - ☐ B. Middle concha
 - ☐ C. Vomer
 - ☐ D. Septal cartilage
4. Which number illustrates the vomer?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 10
 - ☐ D. 6
5. Which number illustrates the maxillary sinus?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 9
 - ☐ D. 4

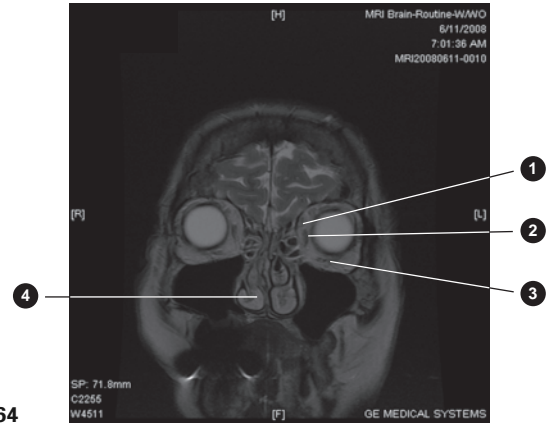


Figure 2-64

1. Which of the following is illustrated by 4?
 - ☐ A. Inferior nasal concha
 - ☐ B. Crista galli
 - ☐ C. Vomer
 - ☐ D. Perpendicular plate of the ethmoid
2. Which number illustrates the medial rectus muscle?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 2?
 - ☐ A. Optic nerve
 - ☐ B. Medial rectus muscle
 - ☐ C. Superior oblique muscle
 - ☐ D. Internal carotid artery
4. Which number illustrates the inferior rectus muscle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
5. Which of the following is illustrated by 1?
 - ☐ A. Optic nerve
 - ☐ B. Medial rectus muscle
 - ☐ C. Superior oblique muscle
 - ☐ D. Internal carotid artery

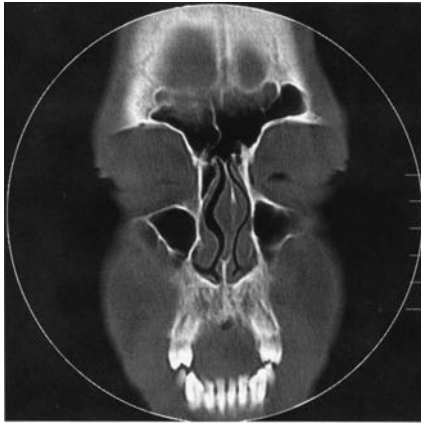


Figure 2-65

1. Which of the following is illustrated by 8?
 - ☐ A. Septal cartilage
 - ☐ B. Vomer
 - ☐ C. Perpendicular plate of the ethmoid
 - ☐ D. Inferior concha
2. Which of the following is illustrated by 6?
 - ☐ A. Septal cartilage
 - ☐ B. Vomer
 - ☐ C. Perpendicular plate of the ethmoid
 - ☐ D. Inferior concha
3. Which number illustrates the inferior concha?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 3
4. Which number illustrates the septal cartilage?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 3
5. Which of the following is illustrated by 5?
 - ☐ A. Palatine bone
 - ☐ B. Sphenoid bone
 - ☐ C. Maxilla bone
 - ☐ D. Ethmoid bone

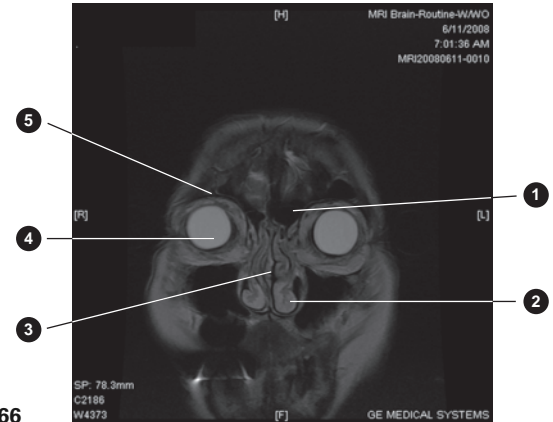


Figure 2-66

1. Which of the following is illustrated by 3?
 - ☐ A. Septal cartilage
 - ☐ B. Vomer
 - ☐ C. Perpendicular plate of the ethmoid
 - ☐ D. Inferior concha
2. Which of the following is illustrated by 2?
 - ☐ A. Septal cartilage
 - ☐ B. Vomer
 - ☐ C. Perpendicular plate of the ethmoid
 - ☐ D. Inferior nasal concha
3. Which number illustrates the globe of the eye?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 3
4. Which number illustrates the frontal sinus?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
5. Which of the following is illustrated by 5?
 - ☐ A. Frontal bone
 - ☐ B. Sphenoid bone
 - ☐ C. Maxilla bone
 - ☐ D. Ethmoid bone

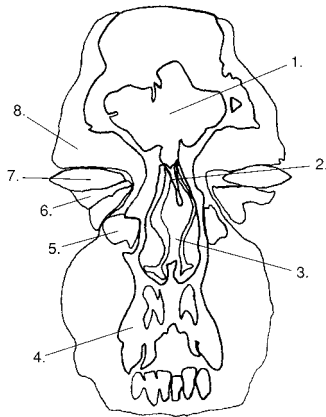


Figure 2-68

Figure 2-67

1. Which of the following is illustrated by 3?
 - ☐ A. Septal cartilage
 - ☐ B. Vomer
 - ☐ C. Perpendicular plate of the ethmoid
 - ☐ D. Inferior concha
 2. Which of the following is illustrated by 5?
 - ☐ A. Sphenoid sinus
 - ☐ B. Ethmoid sinus
 - ☐ C. Maxillary sinus
 - ☐ D. Frontal sinus
 3. Which number illustrates the perpendicular plate of the ethmoid?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
 4. Which number illustrates the frontal sinus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
 5. Which number illustrates the maxilla?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 2
 - ☐ D. 1
1. Which of the following is illustrated by 1?
 - ☐ A. Optic nerve
 - ☐ B. Sylvian fissure
 - ☐ C. Orbital ridge
 - ☐ D. Falx cerebri
 2. Which number illustrates the straight sinus?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. None of the above
 3. Which of the following is illustrated by 2?
 - ☐ A. Frontal lobe
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Temporal lobe
 4. Which number illustrates the falx cerebri?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. None of the above

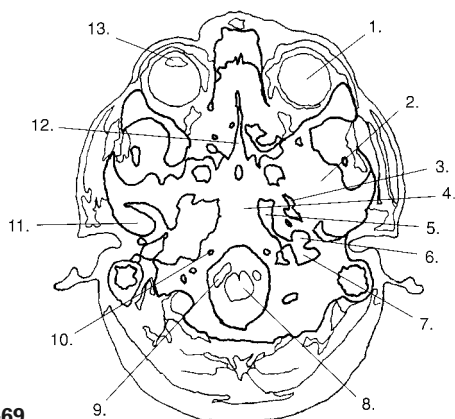
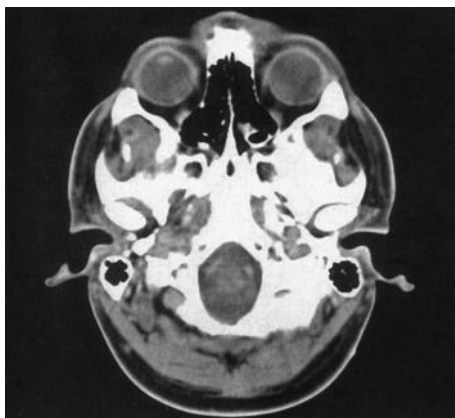


Figure 2-69

1. Which number illustrates the foramen ovale?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 7
2. Which of the following is illustrated by 7?
 - ☐ A. Internal jugular vein
 - ☐ B. Foramen lacerum
 - ☐ C. Foramen ovale
 - ☐ D. Internal carotid artery
3. Which number illustrates the hypoglossal canal?
 - ☐ A. 6
 - ☐ B. 7
 - ☐ C. 10
 - ☐ D. 5
4. Which of the following illustrates the foramen lacerum?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 10
 - ☐ D. 5
5. Which of the following is illustrated by 6?
 - ☐ A. Foramen lacerum
 - ☐ B. Internal carotid artery
 - ☐ C. Foramen ovale
 - ☐ D. Internal jugular vein

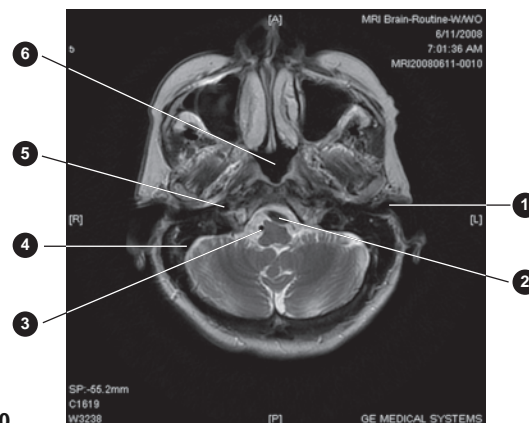


Figure 2-70

1. Which of the following is illustrated by 5?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the nasopharynx?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 4
3. Which of the following is illustrated by 4?
 - ☐ A. Sigmoid sinus
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Pontine cistern
4. Which number illustrates the vertebral artery?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
5. Which of the following is illustrated by 1?
 - ☐ A. Sigmoid sinus
 - ☐ B. Sphenoid sinus
 - ☐ C. Mastoid sinus
 - ☐ D. External auditory meatus

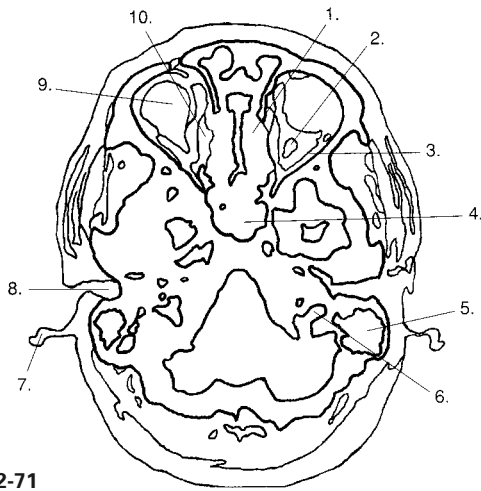
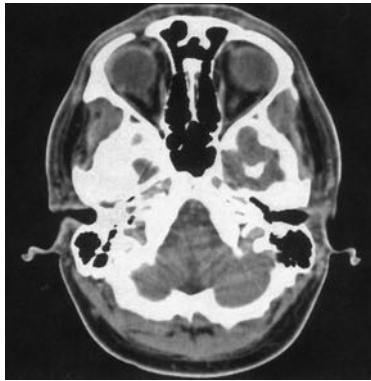


Figure 2-71

1. Which of the following is illustrated by 3?
 - ☐ A. Lateral rectus muscle
 - ☐ B. Medial rectus muscle
 - ☐ C. Optic nerve
 - ☐ D. Superior oblique muscle
2. Which number illustrates the ethmoid air cells?
 - ☐ A. 4
 - ☐ B. 1
 - ☐ C. 8
 - ☐ D. 5
3. Which number illustrates the medial rectus muscle?
 - ☐ A. 10
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 5?
 - ☐ A. Temporal lobe
 - ☐ B. Sigmoid sinus
 - ☐ C. Internal carotid artery
 - ☐ D. Mastoid air cells
5. Which of the following is illustrated by 8?
 - ☐ A. Auricle
 - ☐ B. External acoustic meatus
 - ☐ C. Mandibular condyle
 - ☐ D. Hypoglossal canal

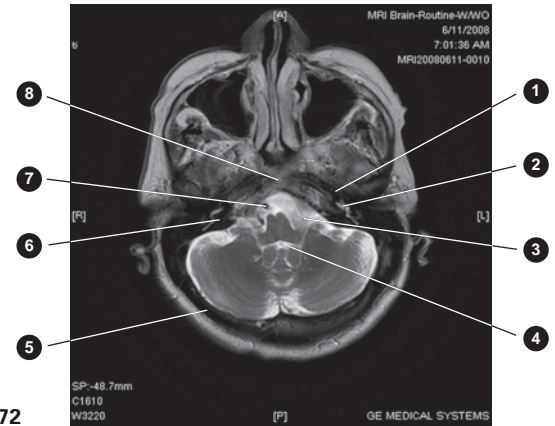
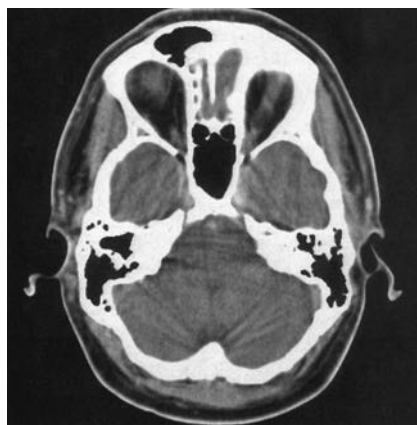
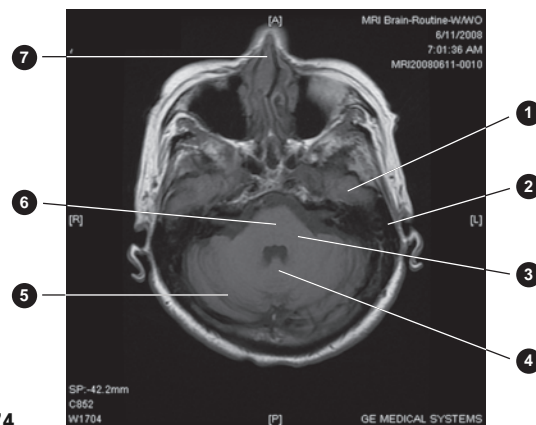


Figure 2-72

1. Which of the following is illustrated by 1?
 - ☐ A. Middle cerebral artery
 - ☐ B. Anterior cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the basilar part of the occipital bone?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 2
3. Which of the following is illustrated by 6?
 - ☐ A. Sigmoid sinus
 - ☐ B. Sphenoid sinus
 - ☐ C. Cavernous sinus
 - ☐ D. Pontine cistern
4. Which number illustrates the basilar artery?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
5. Which of the following is illustrated by 5?
 - ☐ A. Confluence of sinuses
 - ☐ B. Sigmoid sinus
 - ☐ C. Mastoid sinus
 - ☐ D. Transverse sinus

**Figure 2-73**

- Which number illustrates the cribriform plate of the ethmoid bone?
 - ☐ A. 2
 - ☐ B. 11
 - ☐ C. 4
 - ☐ D. 1
- Which of the following is illustrated by 6?
 - ☐ A. Pons
 - ☐ B. Medulla oblongata
 - ☐ C. Cerebellar vermis
 - ☐ D. Cerebral peduncles
- Which number illustrates the basilar artery?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 9
- Which of the following is illustrated by 9?
 - ☐ A. Fourth ventricle
 - ☐ B. Basilar artery
 - ☐ C. Superior cistern
 - ☐ D. Inferior sagittal sinus
- Which of the following is illustrated by 4?
 - ☐ A. Ethmoid air cells
 - ☐ B. Mastoid air cells
 - ☐ C. Sigmoid sinus
 - ☐ D. Sphenoid sinus

**Figure 2-74**

- Which of the following is illustrated by 7?
 - ☐ A. Nasal septum
 - ☐ B. Cribriform plate
 - ☐ C. Crista galli
 - ☐ D. Vomer
- Which number illustrates the cerebellar vermis?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 5
- Which of the following is illustrated by 6?
 - ☐ A. Cerebellar vermis
 - ☐ B. Cerebral peduncle
 - ☐ C. Middle cerebellar peduncle
 - ☐ D. Pons
- Which number illustrates the middle cerebellar peduncle?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Confluence of sinuses
 - ☐ B. Sigmoid sinus
 - ☐ C. Mastoid sinus
 - ☐ D. Transverse sinus

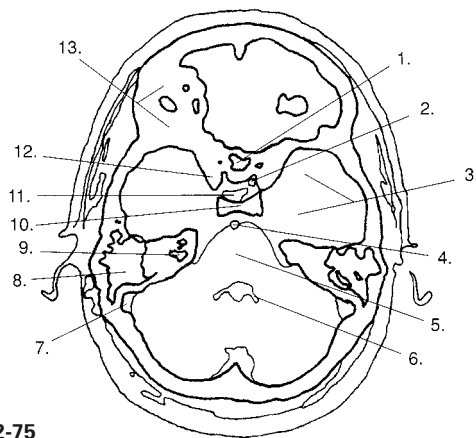
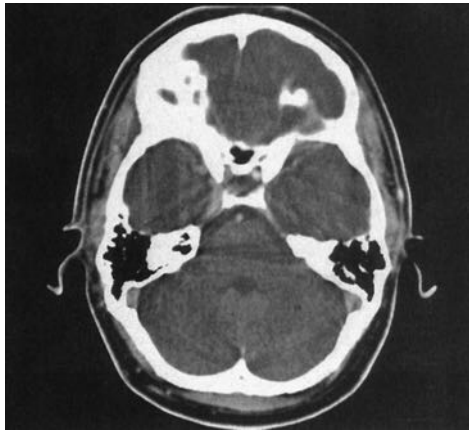


Figure 2-75

1. Which number illustrates the dorsum sellae?
 - ☐ A. 12
 - ☐ B. 10
 - ☐ C. 3
 - ☐ D. 11
2. Which of the following is illustrated by 1?
 - ☐ A. Optic chiasma
 - ☐ B. Internal carotid artery
 - ☐ C. Basilar artery
 - ☐ D. Sphenoid sinus
3. Which number illustrates the middle ear?
 - ☐ A. 4
 - ☐ B. 11
 - ☐ C. 9
 - ☐ D. 10
4. Which of the following is illustrated by 4?
 - ☐ A. Basilar artery
 - ☐ B. Internal carotid artery
 - ☐ C. Middle ear
 - ☐ D. Pituitary gland
5. Which of the following is illustrated by 11?
 - ☐ A. Pituitary gland
 - ☐ B. Dorsum sellae
 - ☐ C. Optic chiasma
 - ☐ D. Pineal gland

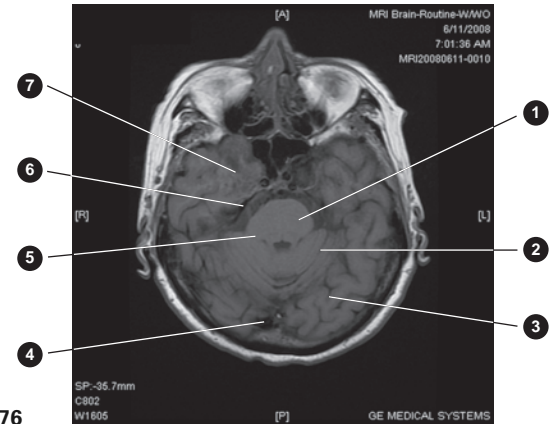
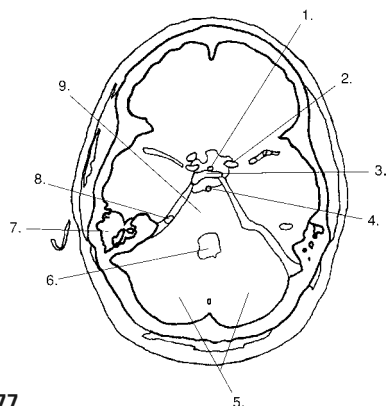
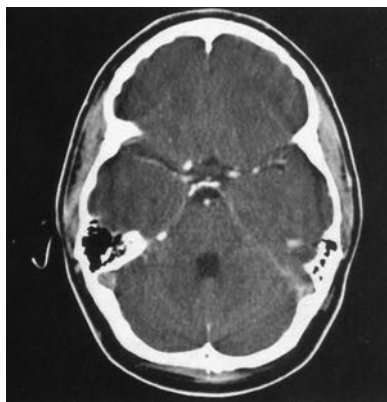
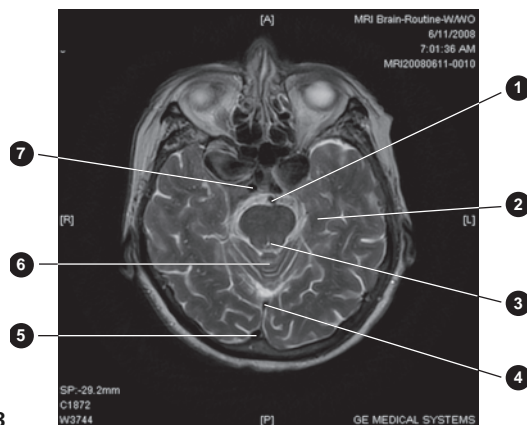


Figure 2-76

1. Which of the following is illustrated by 6?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Sigmoid sinus
2. Which number illustrates the temporal lobe?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 5
3. Which of the following is illustrated by 5?
 - ☐ A. Cerebellar vermis
 - ☐ B. Cerebral peduncle
 - ☐ C. Middle cerebellar peduncle
 - ☐ D. Pons
4. Which number illustrates the pons?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 1
5. Which of the following is illustrated by 4?
 - ☐ A. Confluence of sinuses
 - ☐ B. Sigmoid sinus
 - ☐ C. Mastoid sinus
 - ☐ D. Transverse sinus

**Figure 2-77**

1. Which number illustrates the infundibulum of the pituitary?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 1
2. Which of the following is illustrated by 3?
 - ☐ A. Basilar artery
 - ☐ B. Middle cerebral artery
 - ☐ C. Posterior cerebral artery
 - ☐ D. Dorsum sellae
3. Which number illustrates the mastoid air cells?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 8
4. Which of the following is illustrated by 2?
 - ☐ A. Infundibulum of the pituitary
 - ☐ B. Middle cerebral artery
 - ☐ C. Anterior cerebral artery
 - ☐ D. Basilar artery
5. Which number illustrates the posterior cerebral artery?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 1
 - ☐ D. 4

**Figure 2-78**

1. Which of the following is illustrated by 1?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Vertebral artery
 - ☐ C. Internal carotid artery
 - ☐ D. Basilar artery
2. Which number illustrates the hippocampal formation?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 5
3. Which of the following is illustrated by 6?
 - ☐ A. Cerebellar vermis
 - ☐ B. Cerebral peduncle
 - ☐ C. Middle cerebellar peduncle
 - ☐ D. Pons
4. Which number illustrates the internal carotid artery?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 1
5. Which of the following is illustrated by 4?
 - ☐ A. Confluence of sinuses
 - ☐ B. Sigmoid sinus
 - ☐ C. Straight sinus
 - ☐ D. Transverse sinus

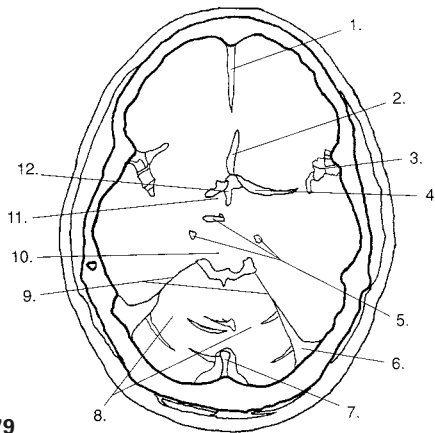
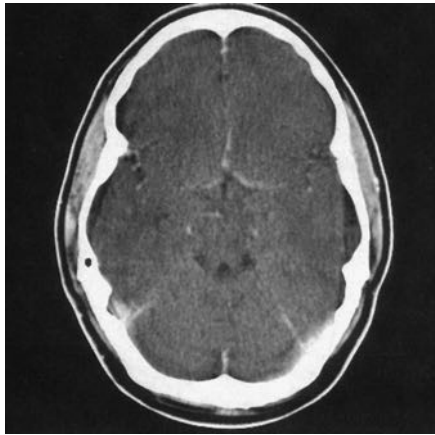


Figure 2-79

1. Which of the following is illustrated by 9?
 - ☐ A. Midbrain
 - ☐ B. Transverse sinus
 - ☐ C. Tentorium cerebelli
 - ☐ D. Cerebellum
2. Which number illustrates the falx cerebri?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 1
3. Which of the following illustrates the hypothalamus?
 - ☐ A. 12
 - ☐ B. 11
 - ☐ C. 8
 - ☐ D. 10
4. Which number illustrates the Sylvian fissure?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 9
 - ☐ D. 12
5. Which of the following illustrates the falx cerebelli?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 2

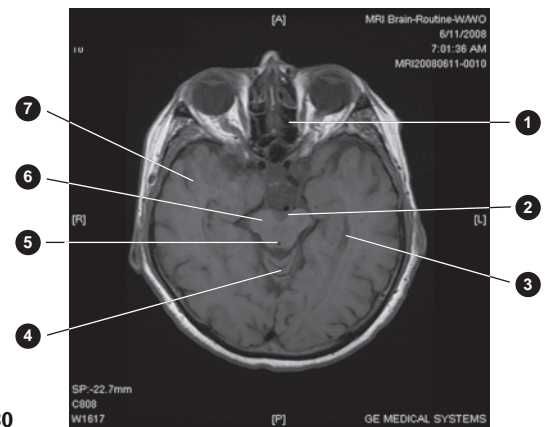


Figure 2-80

1. Which of the following is illustrated by 5?
 - ☐ A. Third ventricle
 - ☐ B. Interpeduncular cistern
 - ☐ C. Fourth ventricle
 - ☐ D. Cerebral aqueduct
2. Which number illustrates the temporal lobe?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 5
3. Which of the following is illustrated by 6?
 - ☐ A. Cerebellar vermis
 - ☐ B. Cerebral peduncle
 - ☐ C. Middle cerebellar peduncle
 - ☐ D. Pons
4. Which number illustrates the lateral ventricle?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
5. Which of the following is illustrated by 2?
 - ☐ A. Third ventricle
 - ☐ B. Interpeduncular cistern
 - ☐ C. Fourth ventricle
 - ☐ D. Cerebral aqueduct

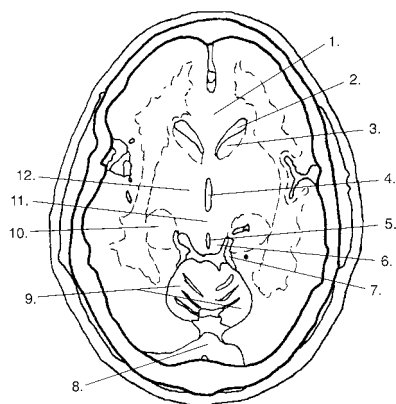
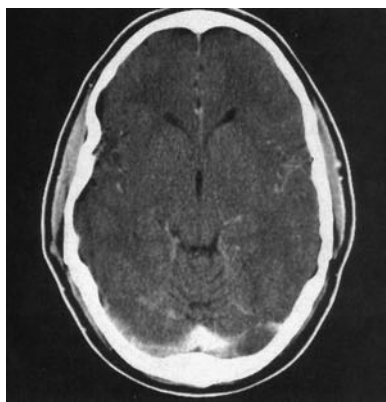


Figure 2-81

1. Which number illustrates the quadrigeminal plate?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 3
2. Which number illustrates the cerebral peduncles?
 - ☐ A. 6
 - ☐ B. 11
 - ☐ C. 10
 - ☐ D. 12
3. Which of the following is illustrated by 4?
 - ☐ A. Fourth ventricle
 - ☐ B. Cerebral aqueduct
 - ☐ C. Third ventricle
 - ☐ D. Superior cistern
4. Which number illustrates the hippocampal formation?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 11
 - ☐ D. 10
5. Which number illustrates the posterior cerebral artery?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 5

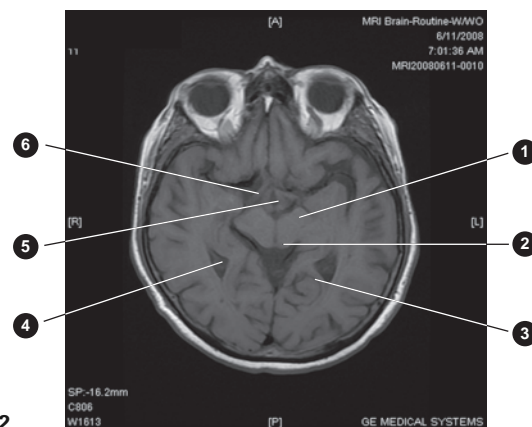


Figure 2-82

1. Which of the following is illustrated by 3?
 - ☐ A. Insula
 - ☐ B. Hippocampal formation
 - ☐ C. Caudate
 - ☐ D. Cerebral peduncle
2. Which number illustrates the quadrigeminal plate?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 5
3. Which of the following is illustrated by 1?
 - ☐ A. Cerebellar vermis
 - ☐ B. Cerebral peduncle
 - ☐ C. Middle cerebellar peduncle
 - ☐ D. Pons
4. Which number illustrates the lateral ventricle?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
5. Which of the following is illustrated by 6?
 - ☐ A. Hypothalamus
 - ☐ B. Cerebral peduncle
 - ☐ C. Optic tract
 - ☐ D. Thalamus

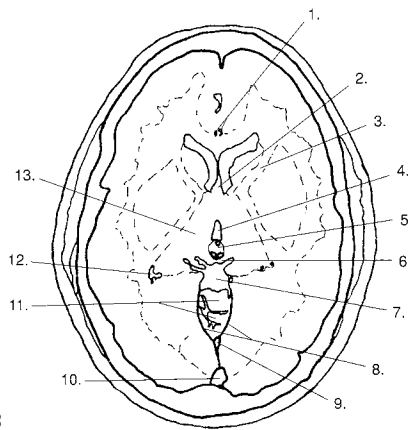


Figure 2-83

- Which of the following is illustrated by 2?
 - ☐ A. Thalamus
 - ☐ B. Internal capsule
 - ☐ C. Fornix
 - ☐ D. Head of the caudate
- Which number illustrates the quadrigeminal plate?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 11
- Which number illustrates the inferior horn of the lateral ventricle?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 12
- Which of the following is illustrated by 9?
 - ☐ A. Confluence of sinuses
 - ☐ B. Straight sinus
 - ☐ C. Inferior sagittal sinus
 - ☐ D. Superior sagittal sinus
- Which of the following is illustrated by 7?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Superior cistern
 - ☐ C. Third ventricle
 - ☐ D. Straight sinus

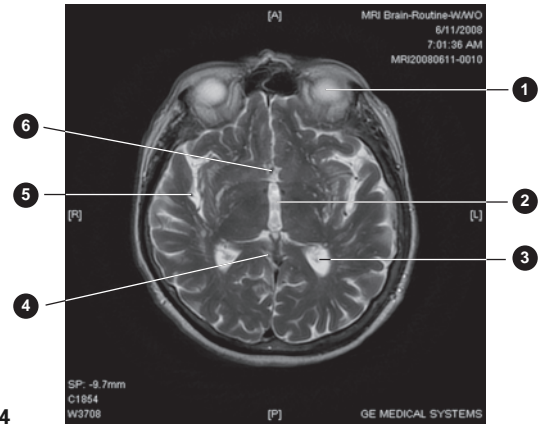
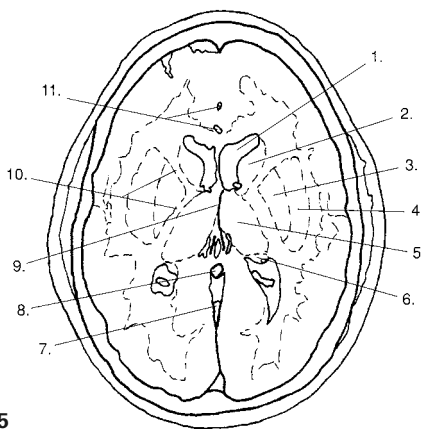
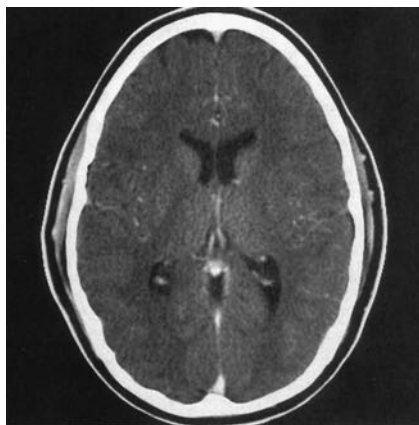
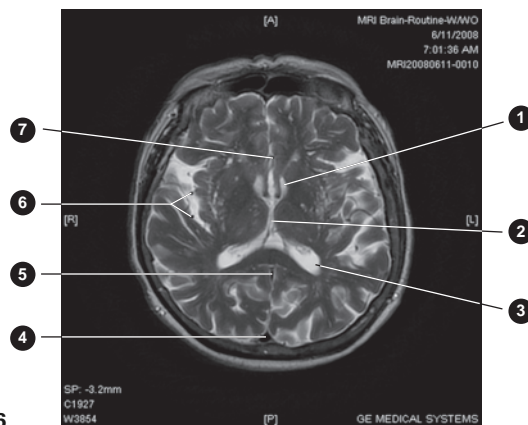


Figure 2-84

- Which of the following is illustrated by 4?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Superior sagittal sinus
 - ☐ C. Fornix
 - ☐ D. Insula
- Which number illustrates the globe of the eye?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 1
- Which number illustrates the posterior horn of the lateral ventricle?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
- Which of the following is illustrated by 6?
 - ☐ A. Anterior cerebral artery
 - ☐ B. Straight sinus
 - ☐ C. Inferior sagittal sinus
 - ☐ D. Internal carotid artery
- Which of the following is illustrated by 2?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Superior cistern
 - ☐ C. Third ventricle
 - ☐ D. Straight sinus

**Figure 2-85**

- Which number illustrates the thalamus nucleus?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
- Which of the following is illustrated by 8?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Vein of Galen
 - ☐ C. Third ventricle
 - ☐ D. Anterior cerebral artery
- Which number illustrates the straight sinus?
 - ☐ A. 9
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 1
- Which of the following is illustrated by 4?
 - ☐ A. Head of the caudate
 - ☐ B. Globus pallidus
 - ☐ C. Putamen
 - ☐ D. Tail of the caudate
- Which number illustrates the globus pallidus nucleus?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6

**Figure 2-86**

- Which of the following is illustrated by 4?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Superior sagittal sinus
 - ☐ C. Fornix
 - ☐ D. Insula
- Which number illustrates the middle cerebral artery?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 1
- Which number illustrates the posterior horn of the lateral ventricle?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
- Which of the following is illustrated by 5?
 - ☐ A. Anterior cerebral artery
 - ☐ B. Straight sinus
 - ☐ C. Inferior sagittal sinus
 - ☐ D. Internal carotid artery
- Which of the following is illustrated by 2?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Superior cistern
 - ☐ C. Third ventricle
 - ☐ D. Straight sinus

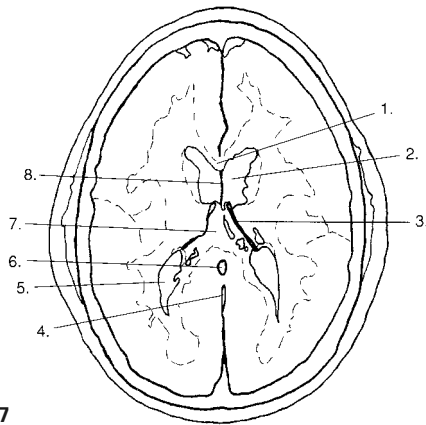
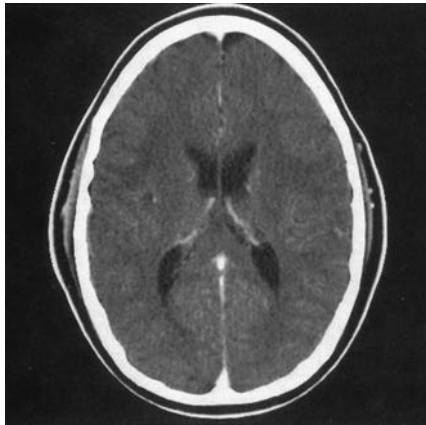


Figure 2-87

1. Which of the following is illustrated by 2?
 - ☐ A. Anterior horn of the lateral ventricle
 - ☐ B. Body of the lateral ventricle
 - ☐ C. Third ventricle
 - ☐ D. Superior cistern
2. Which number illustrates the septum pellucidum?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 8
3. Which of the following is illustrated by 7?
 - ☐ A. Pons
 - ☐ B. Splenium of the corpus callosum
 - ☐ C. Hypothalamus
 - ☐ D. Thalamus
4. Which number illustrates the posterior horn of the lateral ventricle?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Posterior horn of the lateral ventricle
 - ☐ B. Choroid plexus
 - ☐ C. Splenium of the corpus callosum
 - ☐ D. Septum pellucidum

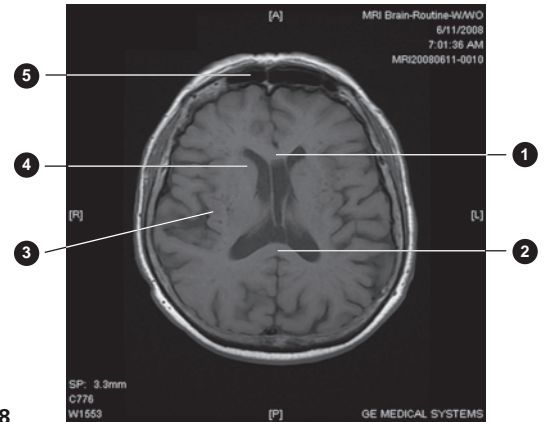


Figure 2-88

1. Which of the following is illustrated by 3?
 - ☐ A. Posterior cerebral artery
 - ☐ B. Superior sagittal sinus
 - ☐ C. Fornix
 - ☐ D. Insula
2. Which number illustrates the splenium of the corpus callosum?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 2
 - ☐ D. 1
3. Which number illustrates the genu of the corpus callosum?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
4. Which of the following is illustrated by 5?
 - ☐ A. Sphenoid sinus
 - ☐ B. Straight sinus
 - ☐ C. Inferior sagittal sinus
 - ☐ D. Frontal sinus
5. Which of the following is illustrated by 4?
 - ☐ A. Quadrigeminal plate
 - ☐ B. Thalamus
 - ☐ C. Globus pallidus
 - ☐ D. Caudate nucleus

CLINICAL APPLICATIONS

1. What bones form the bony nasal septum?

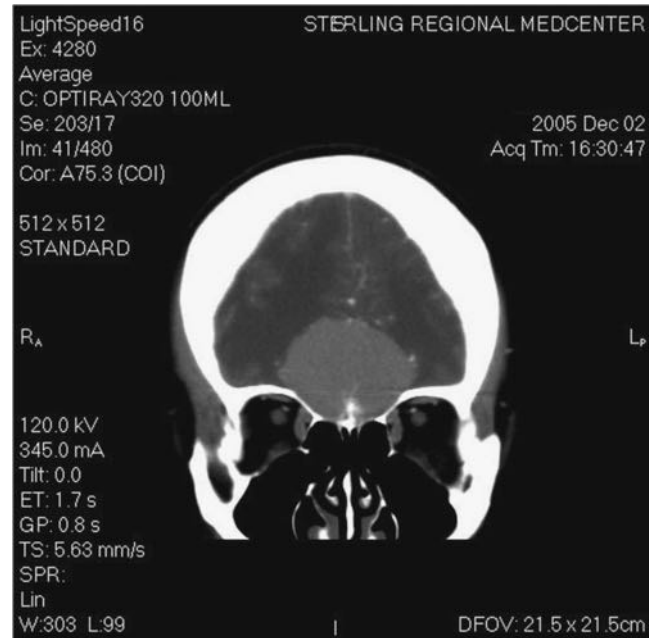
2. Which of the following nuclei appears to be protruding into the lateral ventricles?
 ____ A. Putamen
 ____ B. Caudate
 ____ C. Globus pallidus
 ____ D. Thalamus
3. Describe the location of the insula.

4. Which of the following describes the venous sinus between the inferior margin of the falx cerebri and the tentorium cerebelli?
 ____ A. Superior sagittal sinus
 ____ B. Sigmoid sinus
 ____ C. Straight sinus
 ____ D. Inferior sagittal sinus
5. Describe the fornix.

6. Which of the following is most laterally situated within the brain?
 ____ A. Putamen
 ____ B. Caudate
 ____ C. Globus pallidus
 ____ D. Thalamus
7. The _____ transmits cerebrospinal fluid between the 3rd and 4th ventricles.
 ____ A. Foramen of Magendie
 ____ B. Interventricular foramen
 ____ C. Foramen of Luschka
 ____ D. Cerebral (mesencephalic) aqueduct
8. The vertebral arteries enter the cranial cavity through the foramen _____.
9. Which of the following sinuses is located most posteriorly within the skull?
 ____ A. Sphenoid
 ____ B. Maxillary
 ____ C. Ethmoid
 ____ D. Frontal
10. Which of the following is found closest to the clivus?
 ____ A. Pons
 ____ B. Midbrain
 ____ C. Medulla oblongata
 ____ D. Hypothalamus

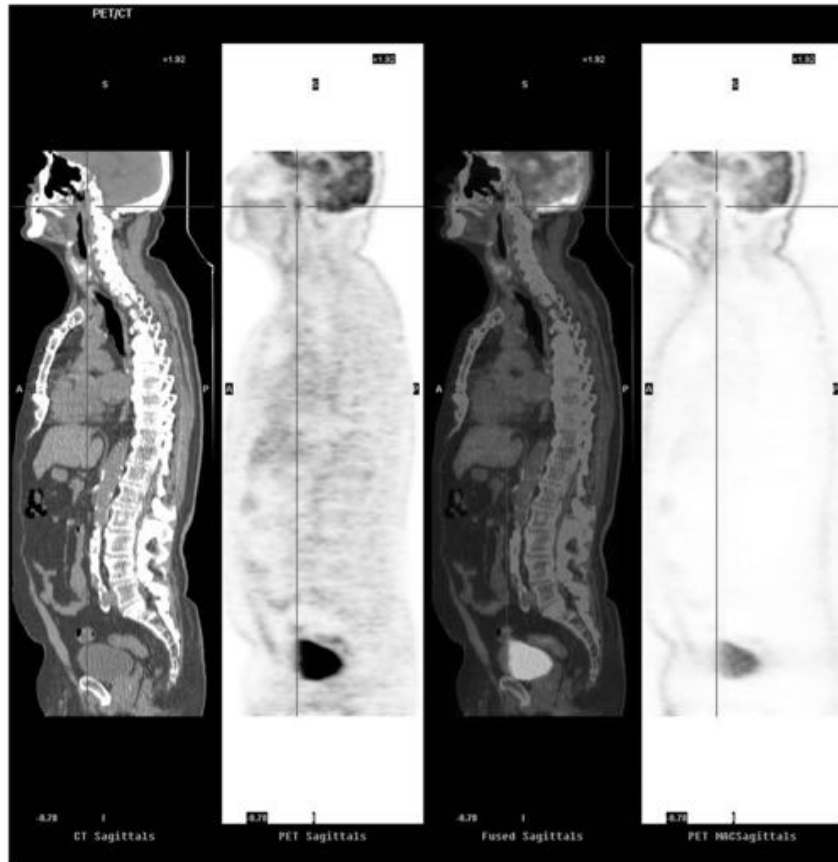
CLINICAL APPLICATIONS

Clinical Case 2-1

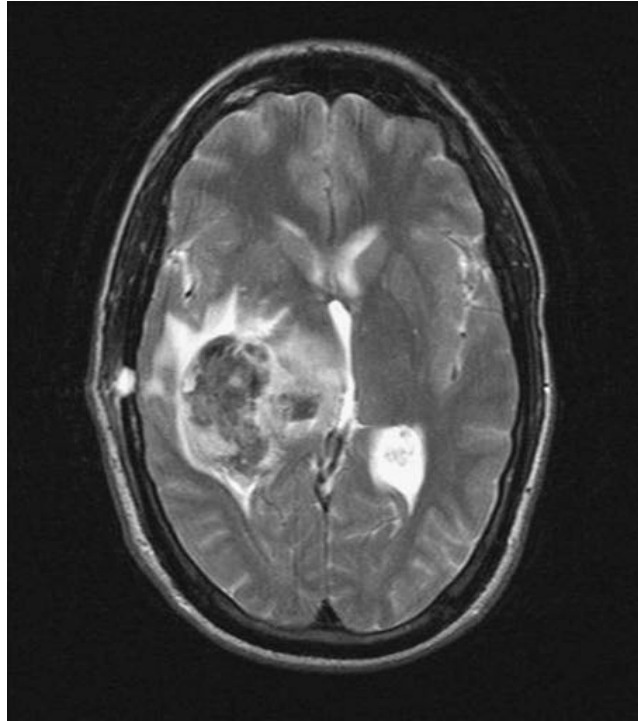


- Which of the following describes the artery located superior to the cerebellum?
 - ☐ A. Posterior cerebral
 - ☐ B. Anterior cerebral
 - ☐ C. Middle cerebral
 - ☐ D. Basilar artery
- In this patient, the location of the mass would best be described by which of the following?
 - ☐ A. Anterior cranial fossa
 - ☐ B. Middle cranial fossa
 - ☐ C. Posterior cranial fossa
 - ☐ D. Midbrain
- Which of the following best describes the changes in adjacent tissues?
 - ☐ A. Inferior displacement of the pons
 - ☐ B. Superior displacement of the occipital lobe
 - ☐ C. Lateral displacement of the temporal lobe
 - ☐ D. Superior displacement of the frontal lobe
- Which of the following describes the artery located inferior to the pons?
 - ☐ A. Posterior cerebral
 - ☐ B. Anterior cerebral
 - ☐ C. Middle cerebral
 - ☐ D. Basilar artery
- Which of the following would best describe the procedure used to generate the images located in the figure?
 - ☐ A. Computed tomography angiography (CTA)
 - ☐ B. Magnetic resonance angiography (MRA)
 - ☐ C. Ultrasound
 - ☐ D. Positron emission tomography/computed tomography (PET/CT)

Clinical Case 2-2



- Which of the following best describes the location of the mass marked in the figure?
 - ☐ A. Retropharyngeal
 - ☐ B. Oropharynx
 - ☐ C. Laryngopharynx
 - ☐ D. Retroperitoneal
- The opening in the base of the skull that transmits the internal carotid artery is found in which of the following bones?
 - ☐ A. Sphenoid
 - ☐ B. Temporal
 - ☐ C. Frontal
 - ☐ D. Occipital
- The opening in the base of the skull that transmits the internal jugular vein is found in which of the following bones?
 - ☐ A. Sphenoid
 - ☐ B. Temporal
 - ☐ C. Frontal
 - ☐ D. Occipital
- Which of the following is the foramen that contains the vertebral arteries?
 - ☐ A. Ovale
 - ☐ B. Lacerum
 - ☐ C. Magnum
 - ☐ D. Superior orbital fissure
- Which of the cranial nerves exits the skull to carry sensory and motor fibers below the diaphragm?
 - ☐ A. Hypoglossal
 - ☐ B. Trochlear
 - ☐ C. Vagus
 - ☐ D. Trigeminal

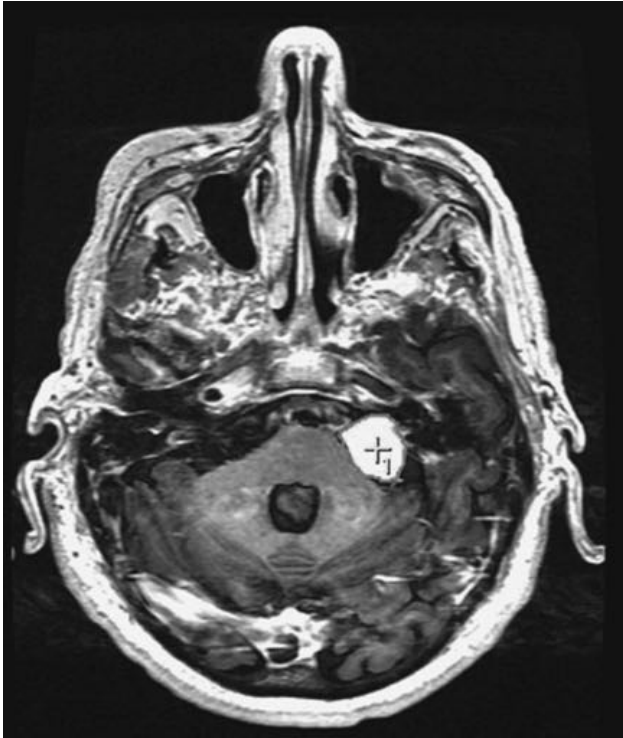
Clinical Case 2-3

1. Describe the location of the glioblastoma multiforme in this axial, contrast-enhanced magnetic resonance (MR) image of the brain.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border of the glioblastoma multiforme.

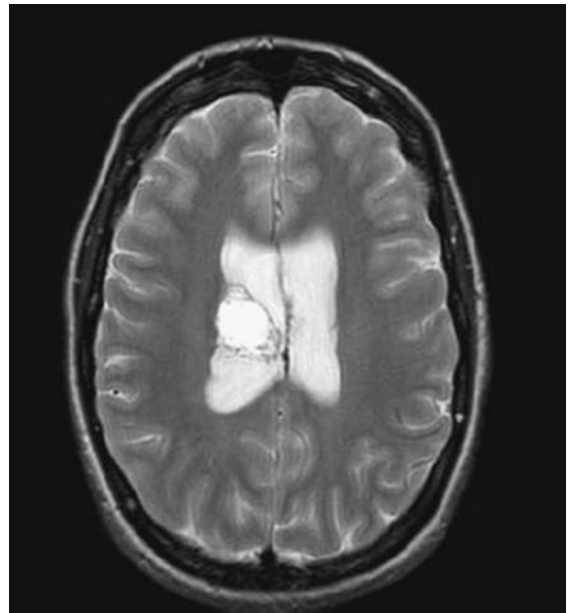
Clinical Case 2-4



1. Describe the location of the acoustic neuroma in the axial (left) and sagittal (right) T1-weighted MR images in this 80-year-old male patient.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border of the neuroma.

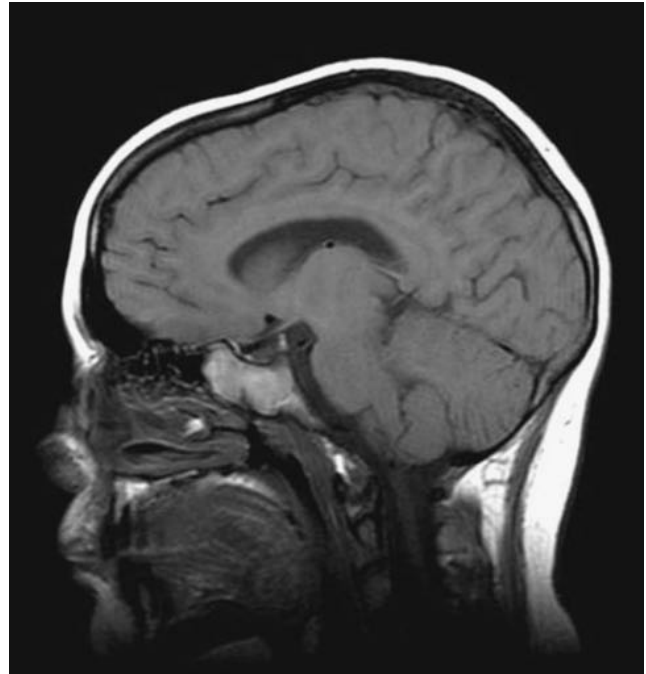
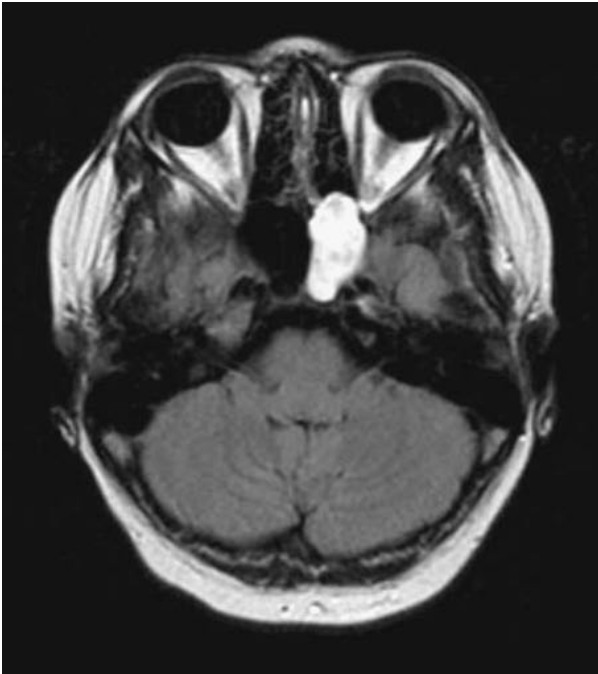
Clinical Case 2-5

1. Describe the location of the neurocytoma shown in the sagittal T1- (left) and axial T2- (right) weighted MR images of the head.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border of the neurocytoma.

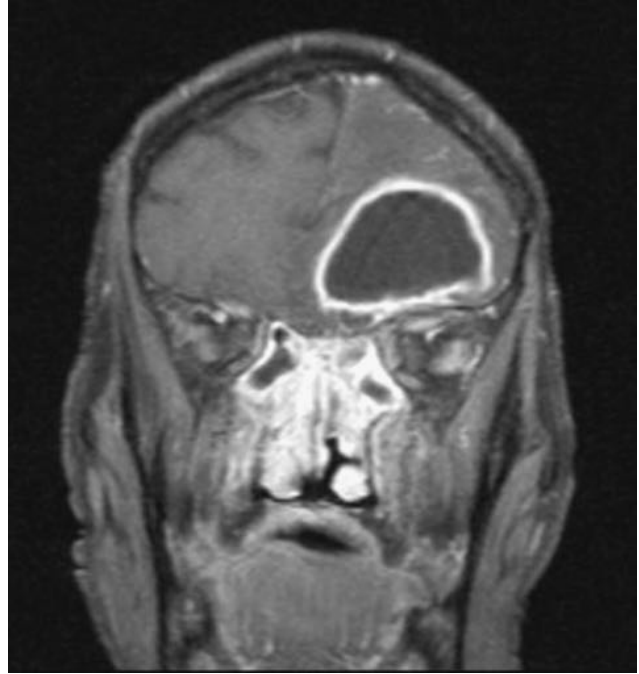
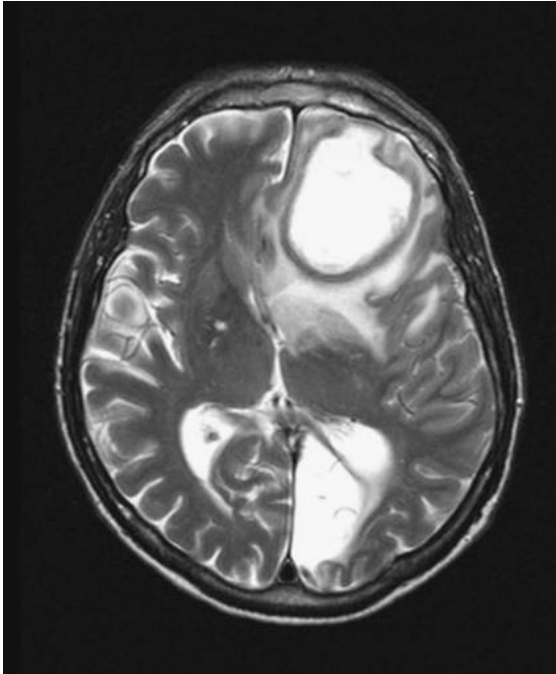
Clinical Case 2-6



1. Describe the location of the mucocoele shown in the T1-weighted axial and sagittal MR images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border of the mucocoele.

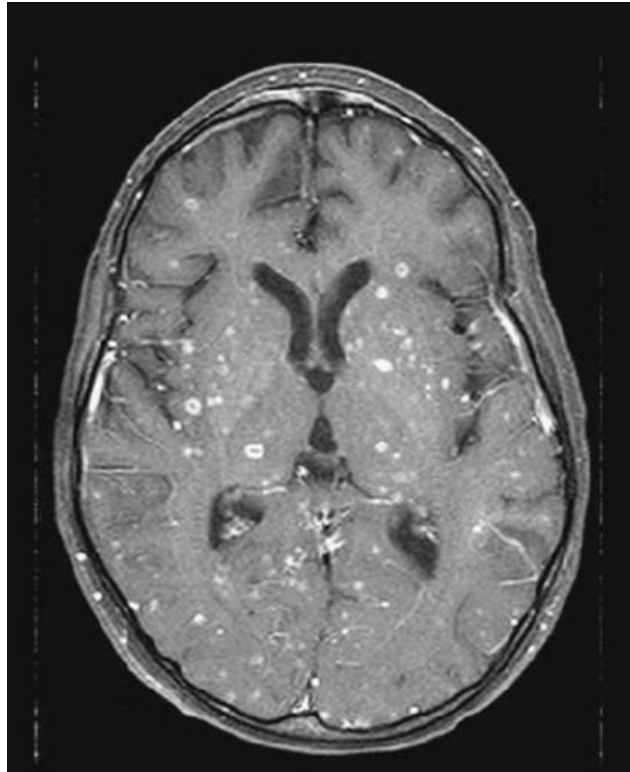
Clinical Case 2-7

1. Describe the location of the brain abscess shown on the axial T2- (left) and coronal T1- (right) weighted postcontrast MR images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border of the brain abscess.

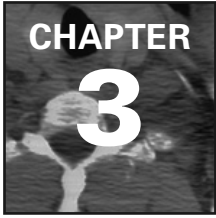
Clinical Case 2-8



1. Describe the location of the infection in this axial MR brain image of a 14-year-old female patient.

3. Describe the consistency, shape, and border of the lesions.

2. Describe the changes in adjacent tissues.



Spine

LABELING EXERCISES

Fill in the blanks with the appropriate label.

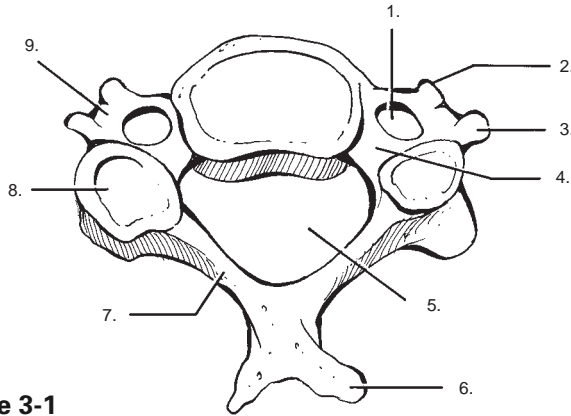


Figure 3-1

- Which of the following is illustrated by 4?
☐ A. Lamina
☐ B. Pedicle
☐ C. Spinous process
☐ D. Superior articular process
- Which of the following is illustrated by 2?
☐ A. Anterior tubercle
☐ B. Posterior tubercle
☐ C. Pedicle
☐ D. Superior articular process
- What number illustrates the transverse foramen?
☐ A. 3
☐ B. 1
☐ C. 4
☐ D. 5
- Which of the following is illustrated by 3?
☐ A. Transverse foramen
☐ B. Spinous process
☐ C. Anterior tubercle
☐ D. Posterior tubercle
- What number illustrates the superior articular process?
☐ A. 1
☐ B. 2
☐ C. 6
☐ D. 8

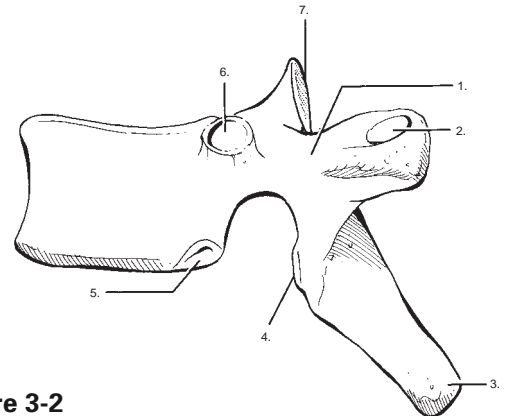


Figure 3-2

- Which of the following is illustrated by 4?
☐ A. Superior articular process
☐ B. Inferior articular process
☐ C. Spinous process
☐ D. Pedicle
- Which of the following is illustrated by 2?
☐ A. Pedicle
☐ B. Spinous process
☐ C. Facet for costal tubercle
☐ D. Superior costal facet
- What number illustrates the spinous process?
☐ A. 3
☐ B. 1
☐ C. 4
☐ D. 5
- Which of the following is illustrated by 6?
☐ A. Spinous process
☐ B. Pedicle
☐ C. Superior articular process
☐ D. Superior costal facet
- What number illustrates the inferior costal facet?
☐ A. 2
☐ B. 5
☐ C. 6
☐ D. 7

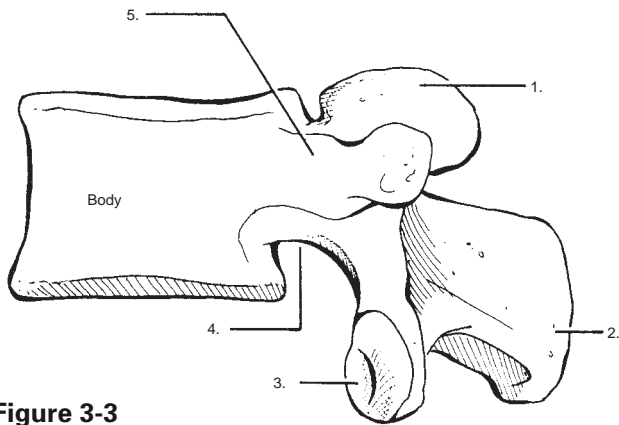


Figure 3-3

1. Which of the following is illustrated by 2?
 - ☐ A. Superior articular process
 - ☐ B. Inferior articular process
 - ☐ C. Spinous process
 - ☐ D. Pedicle
2. What number illustrates the inferior articular process?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
3. Which of the following is illustrated by 5?
 - ☐ A. Superior articular process
 - ☐ B. Spinous process
 - ☐ C. Inferior articular process
 - ☐ D. Pedicle
4. What number illustrates the inferior vertebral notch?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
5. Which of the following is illustrated by 1?
 - ☐ A. Superior articular process
 - ☐ B. Inferior articular process
 - ☐ C. Pedicle
 - ☐ D. Spinous process

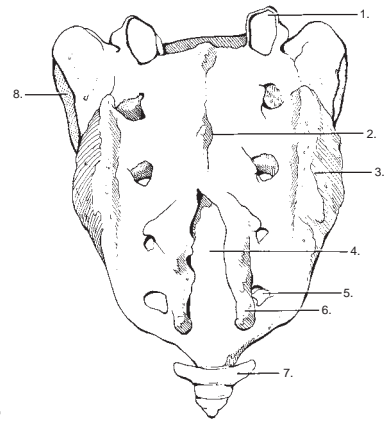
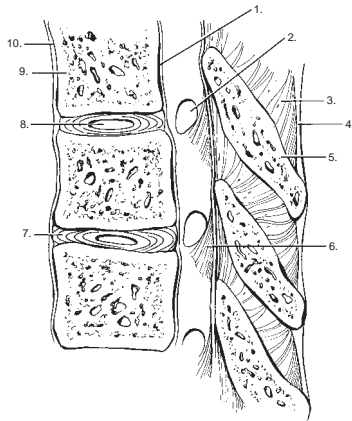
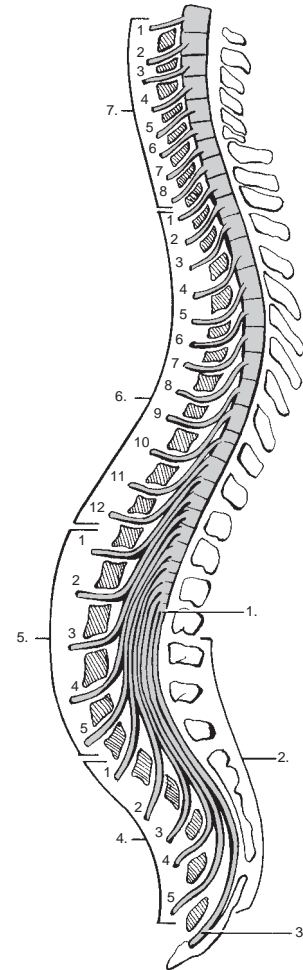


Figure 3-4

1. Which of the following is illustrated by 1?
 - ☐ A. Superior articular process
 - ☐ B. Articular surface
 - ☐ C. Posterior sacral foramen
 - ☐ D. Median sacral crest
2. Which of the following is illustrated by 2?
 - ☐ A. Articular surface
 - ☐ B. Superior articular process
 - ☐ C. Median sacral crest
 - ☐ D. Lateral sacral crest
3. What number illustrates the posterior sacral foramen?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 6
4. What number illustrates the sacral hiatus?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 4
5. What number illustrates the coccyx?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 6

**Figure 3-5**

1. Which of the following is illustrated by 2?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Anulus fibrosus
 - ☐ C. Spinous process
 - ☐ D. Intervertebral foramen
2. What number illustrates the ligamentum flavum?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 9
3. Which of the following is illustrated by 10?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Ligamentum flavum
 - ☐ C. Posterior longitudinal ligament
 - ☐ D. Interspinous ligament
4. Which of the following is illustrated by 4?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Posterior longitudinal ligament
 - ☐ C. Supraspinous ligament
 - ☐ D. Interspinous ligament
5. What number illustrates the vertebral body?
 - ☐ A. 10
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 9

**Figure 3-6**

1. Which of the following is illustrated by 1?
 - ☐ A. Thoracic nerves
 - ☐ B. Lumbar nerves
 - ☐ C. Conus medullaris
 - ☐ D. Cauda equina
2. Which of the following is illustrated by 2?
 - ☐ A. Filum terminale
 - ☐ B. Thoracic nerves
 - ☐ C. Conus medullaris
 - ☐ D. Cauda equina
3. What number illustrates the filum terminale?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6
4. What number illustrates the cervical nerves?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 7
5. What number illustrates the lumbar nerves?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 4

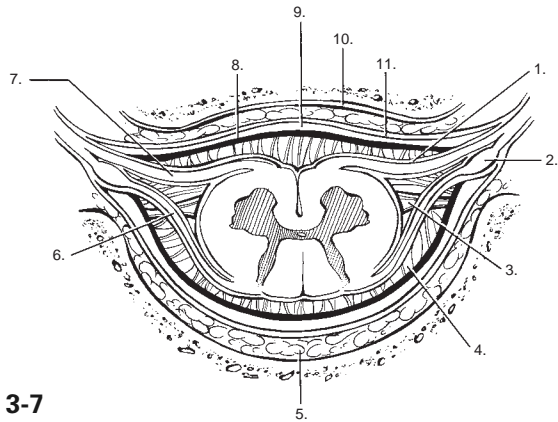


Figure 3-7

1. Which of the following is illustrated by 2?
 - ☐ A. Posterior (dorsal) root
 - ☐ B. Posterior (dorsal) root ganglion
 - ☐ C. Anterior (ventral) root
 - ☐ D. Denticulate ligament
2. What number illustrates the pia mater?
 - ☐ A. 11
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 1
3. Which of the following is illustrated by 11?
 - ☐ A. Dura mater
 - ☐ B. Arachnoid mater
 - ☐ C. Pia mater
 - ☐ D. Subdural space
4. Which of the following is illustrated by 4?
 - ☐ A. Subdural space
 - ☐ B. Arachnoid mater
 - ☐ C. Subarachnoid space
 - ☐ D. Inner periosteum
5. What number illustrates the epidural space?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 9

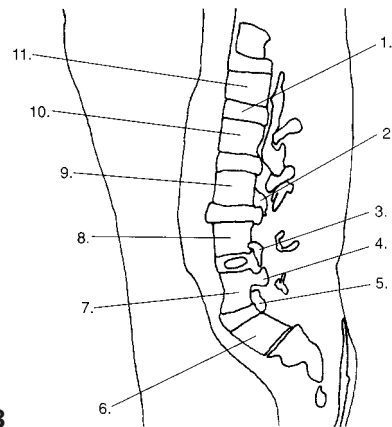


Figure 3-8

1. What number illustrates the pedicle?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 5
2. Which of the following is illustrated by 8?
 - ☐ A. Vertebral body of L5
 - ☐ B. Intervertebral disc
 - ☐ C. Vertebral body of L4
 - ☐ D. L5 nerve roots
3. What number illustrates the vertebral body of S1?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 6
4. Which of the following is illustrated by 1?
 - ☐ A. L3 nerve roots
 - ☐ B. Intervertebral disc
 - ☐ C. Vertebral body of L1
 - ☐ D. Pedicle of L5
5. What number illustrates the L5 nerve roots?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3

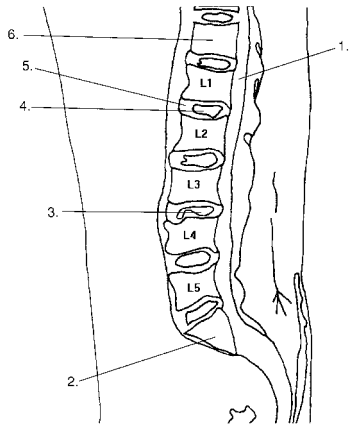
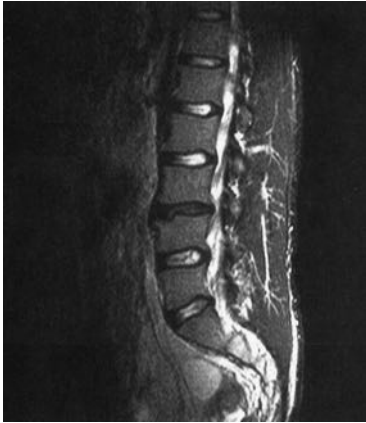


Figure 3-9

- Which of the following is illustrated by 1?
 - ☐ A. Filum terminale
 - ☐ B. Edge of dural sac
 - ☐ C. Anulus fibrosus
 - ☐ D. L2 nerve roots
- What number illustrates the herniated disk?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
- What number illustrates the nucleus pulposus?
 - ☐ A. 4
 - ☐ B. 6
 - ☐ C. 1
 - ☐ D. 5
- Which of the following is illustrated by 6?
 - ☐ A. L1 vertebral body
 - ☐ B. L2 vertebral body
 - ☐ C. T12 vertebral body
 - ☐ D. Intervertebral disk
- What number illustrates the anulus fibrosus?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 4

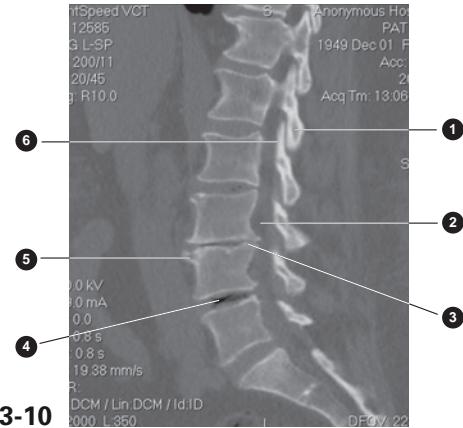
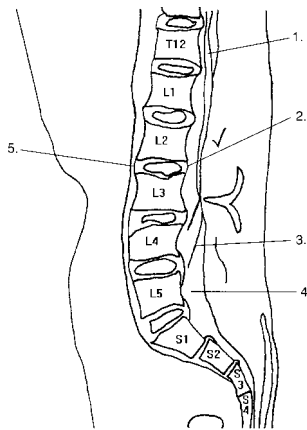
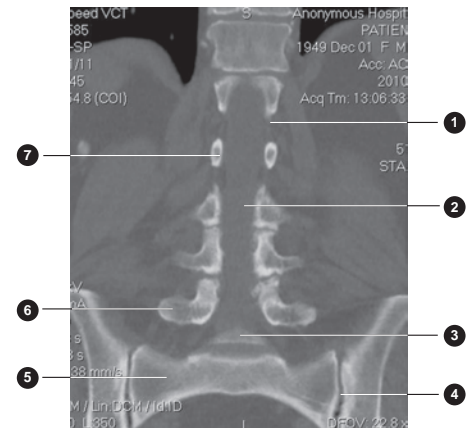


Figure 3-10

- What number illustrates the superior articular process of L2?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 4
- Which of the following is illustrated by 5?
 - ☐ A. Spinal canal at L3
 - ☐ B. Osteophyte on L4
 - ☐ C. Ruptured L4-5 intervertebral disc
 - ☐ D. Vertebral body of S1
- What number illustrates the inferior articular process of L1?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 6
- Which of the following is illustrated by 2?
 - ☐ A. Ruptured L4-5 intervertebral disk
 - ☐ B. Intervertebral foramen
 - ☐ C. Enlarged superior endplate of L4
 - ☐ D. Spinal canal at L3
- Which of the following is illustrated by 3?
 - ☐ A. Enlarged superior endplate of L4
 - ☐ B. Ruptured L4-5 intervertebral disk
 - ☐ C. Osteophyte on L4
 - ☐ D. Calcification of chronic spinal disk injury

**Figure 3-11**

- Which of the following is illustrated by 1?
 - ☐ A. Spinal cord
 - ☐ B. Edge of dural sac
 - ☐ C. Anulus fibrosus
 - ☐ D. Cauda equina
- Which of the following is illustrated by 2?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Posterior longitudinal ligament
 - ☐ C. Herniated disk
 - ☐ D. Nucleus pulposus
- What number illustrates the cauda equina?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 2
- What number illustrates the subarachnoid space?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
- Which of the following is illustrated by 5?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Posterior longitudinal ligament
 - ☐ C. Herniated disk
 - ☐ D. Nucleus pulposus

**Figure 3-12**

- What number illustrates the intervertebral foramen of L1-2?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 4
- Which of the following is illustrated by 4?
 - ☐ A. Spinal canal at L3
 - ☐ B. Osteophyte on L4
 - ☐ C. Sacroiliac joint
 - ☐ D. Vertebral body of S1
- What number illustrates the inferior endplate of L5 vertebral body?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Ruptured L4-5 intervertebral disk
 - ☐ B. Intervertebral foramen
 - ☐ C. Enlarged superior endplate of L4
 - ☐ D. Spinal canal at L3
- Which of the following is illustrated by 6?
 - ☐ A. Transverse process of L5
 - ☐ B. Sacroiliac joint
 - ☐ C. Inferior endplate of L5 vertebral body
 - ☐ D. Calcification of chronic spinal disk injury

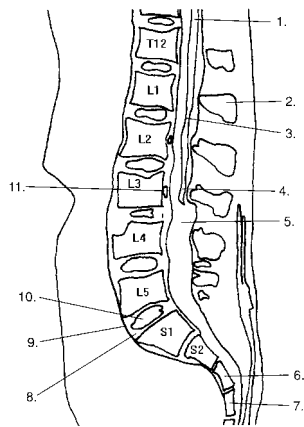
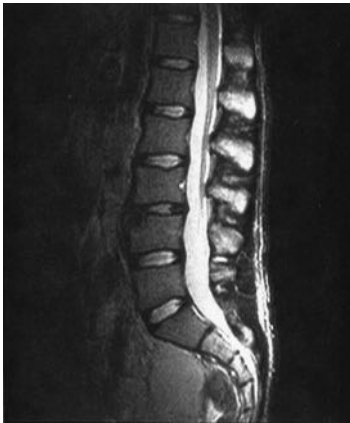
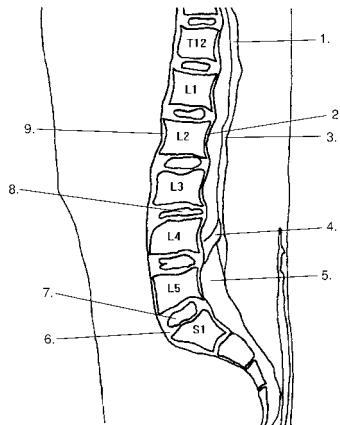


Figure 3-13

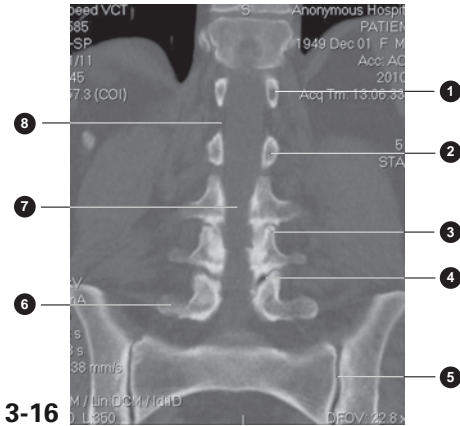
1. What number illustrates the conus medullaris?
☐ A. 1
☐ B. 5
☐ C. 4
☐ D. 3
2. Which of the following is illustrated by 10?
☐ A. Intervertebral disk L4-L5
☐ B. Nucleus pulposus
☐ C. Anulus fibrosus
☐ D. Intervertebral disk S1-S2
3. What number illustrates the spinal cord?
☐ A. 5
☐ B. 3
☐ C. 1
☐ D. 4
4. Which of the following is illustrated by 5?
☐ A. Subarachnoid space
☐ B. Epidural space
☐ C. L1 spinous process
☐ D. Subdural space
5. Which of the following is illustrated by 4?
☐ A. Transverse process of L2
☐ B. Vertebral body of L2
☐ C. Vertebral body of T12
☐ D. Vertebral body of L1

Figure 3-14

1. What number illustrates the normal L1-2 intervertebral joint?
☐ A. 5
☐ B. 1
☐ C. 2
☐ D. 3
2. Which of the following is illustrated by 2?
☐ A. Spinous process of L3
☐ B. Lamina of L2
☐ C. Osteophyte of L4
☐ D. Vertebral body of S1
3. What number illustrates the vertebral body of L1?
☐ A. 5
☐ B. 1
☐ C. 4
☐ D. 6
4. Which of the following is illustrated by 4?
☐ A. Ruptured L4-5 intervertebral disk
☐ B. Narrowed L3-4 intervertebral joint
☐ C. Normal L1-2 intervertebral joint
☐ D. Spinal canal at L3
5. Which of the following is illustrated by 6?
☐ A. Transverse process of L2
☐ B. Vertebral body of L2
☐ C. Vertebral body of T12
☐ D. Vertebral body of L1

**Figure 3-15**

1. What number illustrates the cauda equina?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
2. Which of the following is illustrated by 2?
 - ☐ A. Anulus fibrosus
 - ☐ B. Ruptured disk
 - ☐ C. Nucleus pulposus
 - ☐ D. Intervertebral disk L4-L5
3. Which of the following is illustrated by 2?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Conus medullaris
 - ☐ C. Spinal cord
 - ☐ D. Posterior longitudinal ligament
4. Which of the following is illustrated by 9?
 - ☐ A. Anterior longitudinal ligament
 - ☐ B. Anulus fibrosus
 - ☐ C. Subarachnoid space
 - ☐ D. Posterior longitudinal ligament
5. What number illustrates the ruptured disk
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 5
 - ☐ D. 8

**Figure 3-16**

1. What number illustrates the zygapophyseal joint?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 3
2. Which of the following is illustrated by 2?
 - ☐ A. Pedicle of L2
 - ☐ B. Lamina of L2
 - ☐ C. Pedicle of L1
 - ☐ D. Intervertebral foramen L1-2
3. What number illustrates the spinal canal at L3?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 7
4. Which of the following is illustrated by 8?
 - ☐ A. Superior articular process of L4
 - ☐ B. Pedicle of L2
 - ☐ C. Normal L1-2 intervertebral joint
 - ☐ D. Intervertebral foramen L1-2
5. Which of the following is illustrated by 6?
 - ☐ A. Transverse process of L5
 - ☐ B. Sacroiliac joint
 - ☐ C. Inferior endplate of L5 vertebral body
 - ☐ D. Zygapophyseal joint

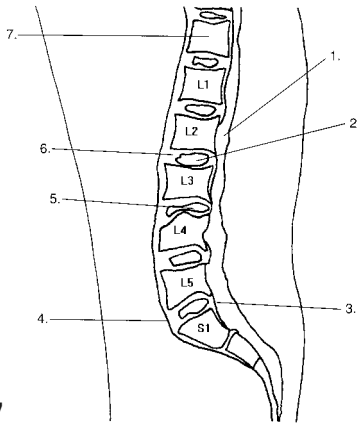
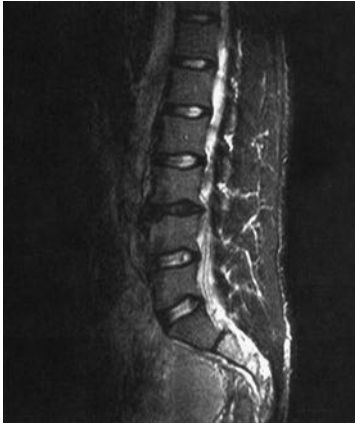


Figure 3-17

- Which of the following is illustrated by 2?
 - ☐ A. Anulus fibrosus
 - ☐ B. Herniated disk
 - ☐ C. Nucleus pulposus
 - ☐ D. Edge of dural sac
- What number illustrates the anterior longitudinal ligament?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
- Which of the following is illustrated by 6?
 - ☐ A. Herniated disk
 - ☐ B. Anulus fibrosus
 - ☐ C. Nucleus pulposus
 - ☐ D. Edge of dural sac
- Which of the following is illustrated by 1?
 - ☐ A. Edge of the dural sac
 - ☐ B. Epidural space
 - ☐ C. Basivertebral vein
 - ☐ D. Pia mater
- What number illustrates the herniated disc?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 5

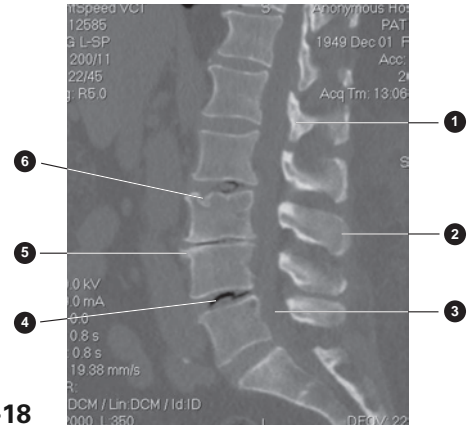
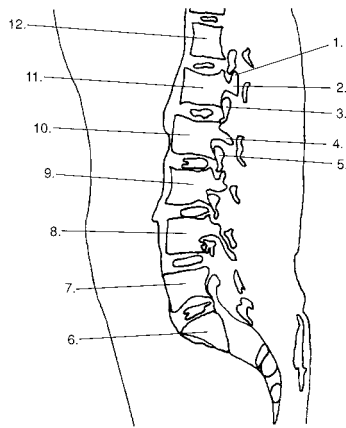
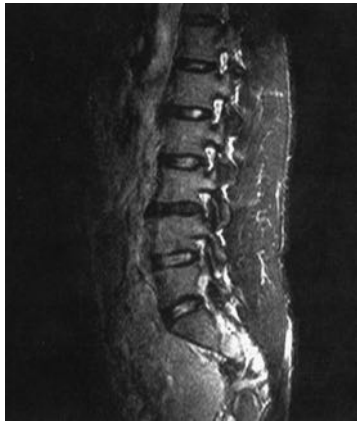
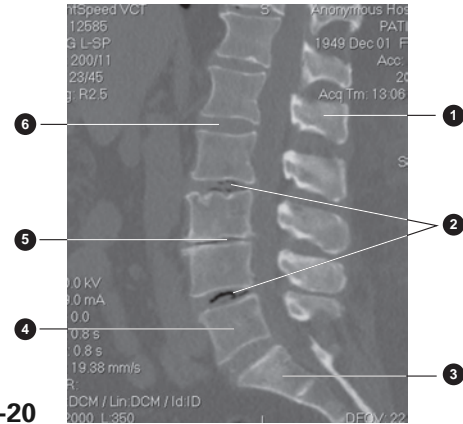


Figure 3-18

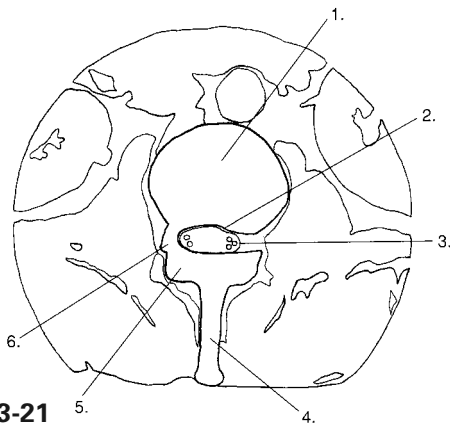
- What number illustrates the L1 lamina?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
- Which of the following is illustrated by 6?
 - ☐ A. Damage in superior endplate of L3
 - ☐ B. Lamina of L2
 - ☐ C. Pedicle of L1
 - ☐ D. Gas in ruptured L4-5 disk space
- What number illustrates the spinal canal at L5?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
- Which of the following is illustrated by 4?
 - ☐ A. Superior articular process of L4
 - ☐ B. Gas in ruptured L4-5 disk space
 - ☐ C. Damage in superior endplate of L3
 - ☐ D. Intervertebral foramen L1-2
- Which of the following is illustrated by 5?
 - ☐ A. Transverse process of L5
 - ☐ B. Sacroiliac joint
 - ☐ C. Osteophyte on L4
 - ☐ D. Spinous process of L3

**Figure 3-19**

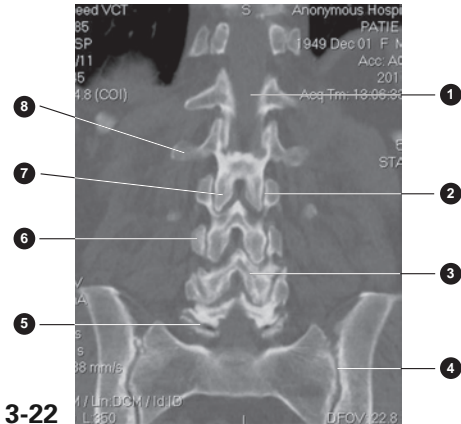
- What number illustrates the L1 nerve roots?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 1
- Which of the following is illustrated by 10?
 - ☐ A. L2
 - ☐ B. L1
 - ☐ C. L3
 - ☐ D. T1
- What number illustrates the L1 pedicle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
- Which of the following is illustrated by 8?
 - ☐ A. L3
 - ☐ B. L4
 - ☐ C. S1
 - ☐ D. L5
- Which of the following is illustrated by 5?
 - ☐ A. L2 nerve roots
 - ☐ B. L1 pedicle
 - ☐ C. L1 nerve roots
 - ☐ D. L2 pedicle

**Figure 3-20**

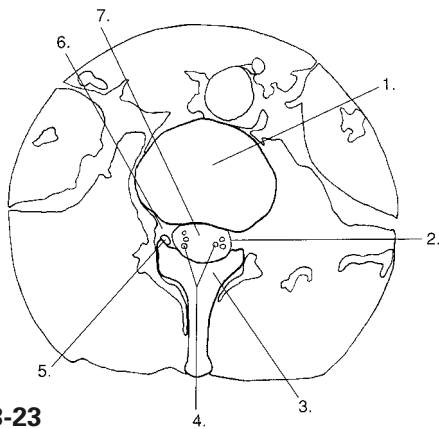
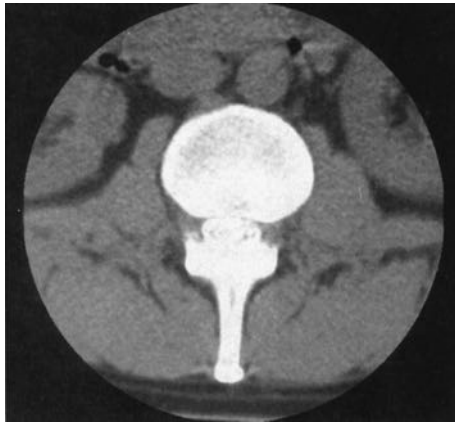
- What number illustrates the vertebral body of S1?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
- Which of the following is illustrated by 6?
 - ☐ A. Intervertebral disk of L1-2
 - ☐ B. Lamina of L3
 - ☐ C. Transverse process of L3
 - ☐ D. Intervertebral disk of L2-3
- What number illustrates the vertebral body of L5?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 3
- Which of the following is illustrated by 1?
 - ☐ A. Inferior articular process of L1
 - ☐ B. Spinous process of L1
 - ☐ C. Lamina of L2
 - ☐ D. Intervertebral foramen L1-2
- Which of the following is illustrated by 5?
 - ☐ A. Transverse process of L3
 - ☐ B. Intervertebral disk of L2-3
 - ☐ C. Intervertebral disk of L3-4
 - ☐ D. Spinous process of L2

**Figure 3-21**

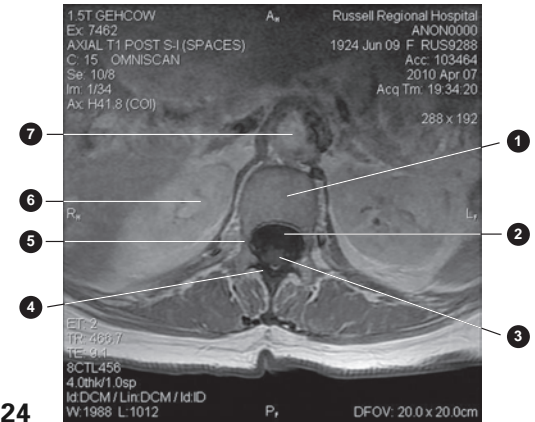
1. What number illustrates the epidural space?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 6
2. Which of the following is illustrated by 4?
 - ☐ A. Lamina of L2
 - ☐ B. Pedicle of L2
 - ☐ C. L2 vertebral body
 - ☐ D. Spinous process of L2
3. What number illustrates the lamina of L2?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 4
4. Which of the following is illustrated by 6?
 - ☐ A. Pedicle of L2
 - ☐ B. Lamina of L2
 - ☐ C. Spinous process of L2
 - ☐ D. Epidural space
5. Which of the following is illustrated by 3?
 - ☐ A. Spinal cord
 - ☐ B. Epidural space
 - ☐ C. Dural sac
 - ☐ D. Subarachnoid space

**Figure 3-22**

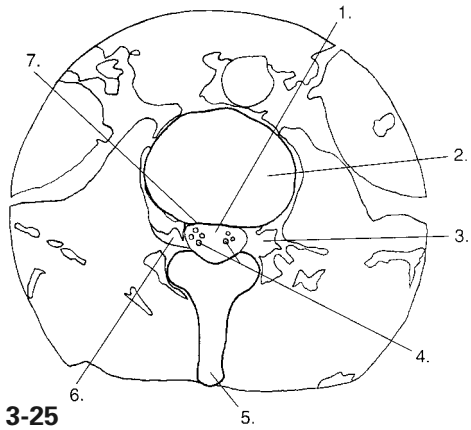
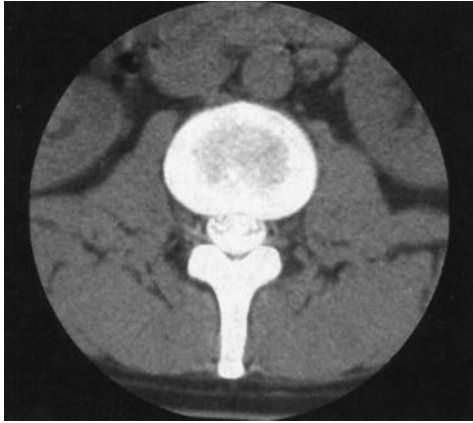
1. Which of the following is illustrated by 1?
 - ☐ A. Spinal canal
 - ☐ B. Intervertebral disk of L2-3
 - ☐ C. Intervertebral disk of L3-4
 - ☐ D. Spinous process of L2
2. What number illustrates the zygapophyseal joint at L2-3?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
3. What number illustrates the superior articular process of L4?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5
4. Which of the following is illustrated by 7?
 - ☐ A. Inferior articular process of L2
 - ☐ B. L2 vertebral body
 - ☐ C. T12 vertebral body
 - ☐ D. Pedicle of L2
5. What number illustrates the lamina of L4?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2

**Figure 3-23**

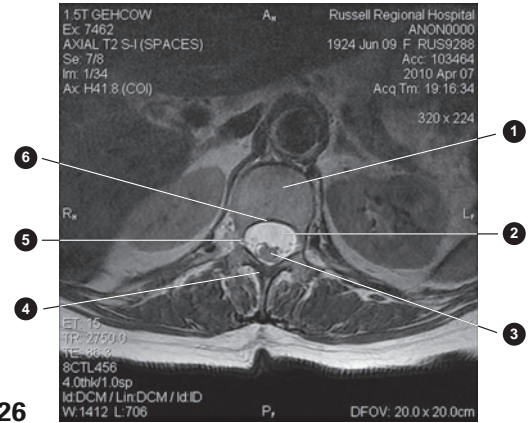
- Which of the following is illustrated by 4?
 - ☐ A. Posterior dorsal root ganglion
 - ☐ B. Epidural space
 - ☐ C. Cauda equina
 - ☐ D. Conus medullaris
- What number illustrates the dural sac?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 7
- Which of the following is illustrated by 6?
 - ☐ A. Vertebral foramen
 - ☐ B. Posterior (dorsal) root ganglion
 - ☐ C. Cauda equina
 - ☐ D. Intervertebral foramen
- What number illustrates subarachnoid space?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 5?
 - ☐ A. Cauda equina
 - ☐ B. Conus medullaris
 - ☐ C. Posterior (dorsal) root ganglion
 - ☐ D. Anterior nerve root

**Figure 3-24**

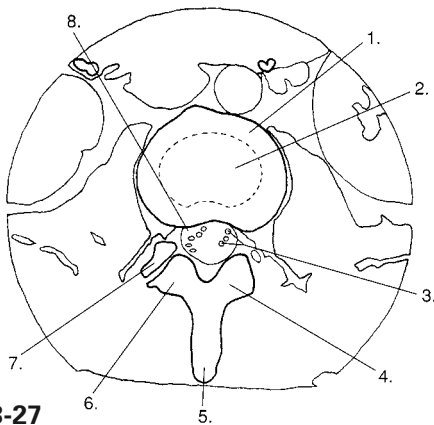
- Which of the following is illustrated by 4?
 - ☐ A. Posterior dorsal root ganglion
 - ☐ B. Ligamentum flavum
 - ☐ C. Spinal cord
 - ☐ D. Subarachnoid space
- What number illustrates the vertebral body of L2?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 7
- Which of the following is illustrated by 6?
 - ☐ A. Vertebral foramen
 - ☐ B. Kidney
 - ☐ C. Abdominal aorta
 - ☐ D. Intervertebral foramen
- Which of the following is illustrated by 7?
 - ☐ A. Spinal cord
 - ☐ B. Subarachnoid space
 - ☐ C. Vertebral body of L2
 - ☐ D. Abdominal aorta
- What number illustrates the pedicle?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 7

**Figure 3-25**

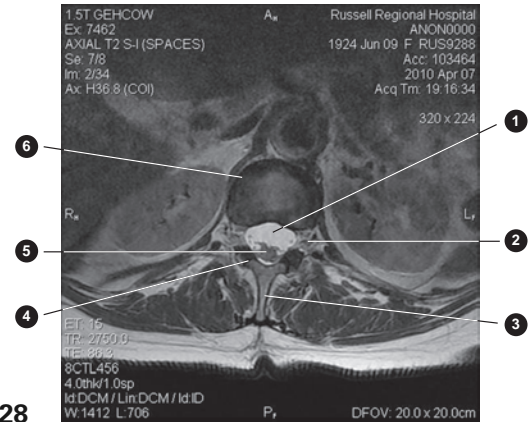
- Which of the following is illustrated by 2?
 - ☐ A. Spinous process
 - ☐ B. Superior endplate
 - ☐ C. Inferior endplate
 - ☐ D. Intervertebral disk
- What number illustrates the cauda equina?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 1
- Which of the following is illustrated by 7?
 - ☐ A. Pia mater
 - ☐ B. Arachnoid mater
 - ☐ C. Subarachnoid space
 - ☐ D. Dural sac
- Which of the following is illustrated by 3?
 - ☐ A. Intervertebral disk
 - ☐ B. Intervertebral foramen
 - ☐ C. Dural sac
 - ☐ D. Cauda equina
- What number illustrates the subarachnoid space?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6

**Figure 3-26**

- Which of the following is illustrated by 5?
 - ☐ A. Spinal nerve root
 - ☐ B. Spinal cord
 - ☐ C. Subarachnoid space
 - ☐ D. Intervertebral disk
- What number illustrates the dura and arachnoid mater?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 1
- Which of the following is illustrated by 3?
 - ☐ A. Spinal cord
 - ☐ B. Arachnoid mater
 - ☐ C. Subarachnoid space
 - ☐ D. Dural sac
- Which of the following is illustrated by 2?
 - ☐ A. Subarachnoid space
 - ☐ B. Intervertebral foramen
 - ☐ C. Dural sac
 - ☐ D. Spinal nerve root
- What number illustrates the vertebral body of L2?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6

**Figure 3-27**

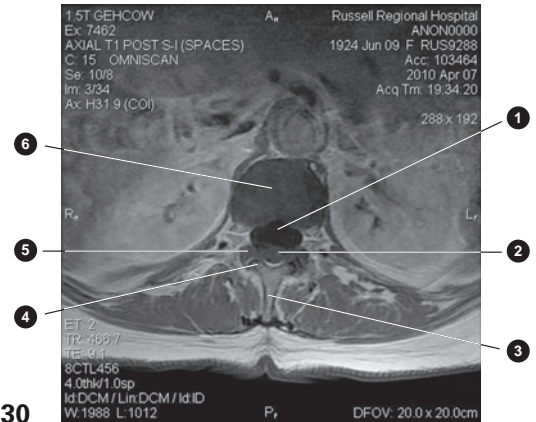
- Which of the following is illustrated by 6?
 - ☐ A. Spinous process of L2
 - ☐ B. Lamina of L2
 - ☐ C. Superior articular process of L3
 - ☐ D. Inferior articular process of L2
- What number illustrates the annulus fibrosus?
 - ☐ A. 8
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2
- Which of the following is illustrated by 2?
 - ☐ A. Nucleus pulposus
 - ☐ B. Annulus fibrosus
 - ☐ C. Vertebral body of L3
 - ☐ D. Vertebral body of L2
- What number illustrates the superior articular process of L3?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 6
- Which of the following is illustrated by 8?
 - ☐ A. Spinal cord
 - ☐ B. Subarachnoid space
 - ☐ C. Cauda equina
 - ☐ D. Conus medullaris

**Figure 3-28**

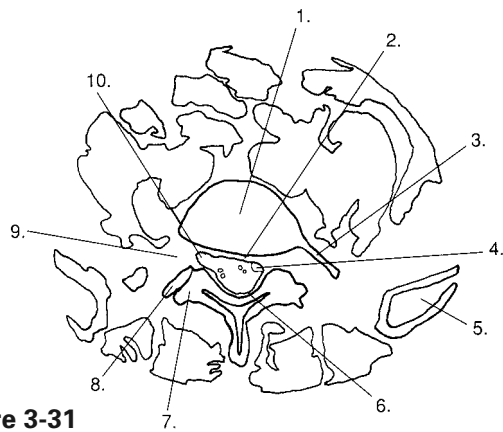
- Which of the following is illustrated by 6?
 - ☐ A. Spinous process of L2
 - ☐ B. Lamina of L2 subarachnoid space
 - ☐ C. Subarachnoid space
 - ☐ D. Annulus fibrosus
- What number illustrates the conus medullaris?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 2
- Which of the following is illustrated by 2?
 - ☐ A. Spinal nerve in intervertebral foramen
 - ☐ B. Spinous process of L2
 - ☐ C. Zygapophyseal joint at L2-3
 - ☐ D. Vertebral body of L2
- What number illustrates the spinous process of L2?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6
- Which of the following is illustrated by 1?
 - ☐ A. Spinal cord
 - ☐ B. Subarachnoid space
 - ☐ C. Spinous process of L2
 - ☐ D. Conus medullaris

**Figure 3-29**

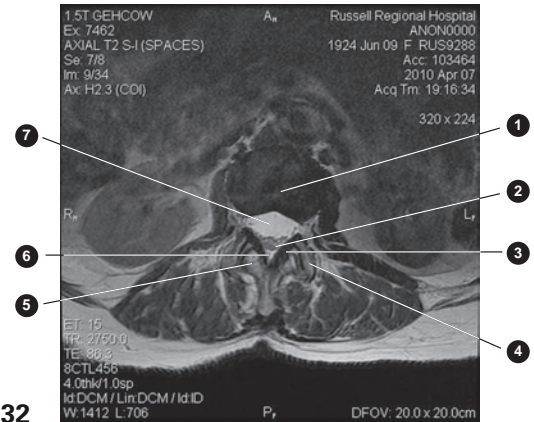
- Which of the following is illustrated by 5?
 - ☐ A. Zygapophysis
 - ☐ B. Inferior articular process of L2
 - ☐ C. Lamina of L2
 - ☐ D. Epidural space
- Which of the following is illustrated by 3?
 - ☐ A. Inferior articular process of L2
 - ☐ B. Lamina of L2
 - ☐ C. Superior articular process of L3
 - ☐ D. Pedicle of L2
- What number illustrates the annulus fibrosus?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 2
- Which of the following is illustrated by 6?
 - ☐ A. Dural sac
 - ☐ B. Zygapophysis
 - ☐ C. Nucleus pulposus
 - ☐ D. Cauda equina
- What number illustrates the inferior articular process of L2?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 2

**Figure 3-30**

- Which of the following is illustrated by 5?
 - ☐ A. Zygapophysis
 - ☐ B. Inferior articular process of L2
 - ☐ C. Superior articular process of L3
 - ☐ D. Cauda equina
- Which of the following is illustrated by 3?
 - ☐ A. Spinous process of L2
 - ☐ B. Lamina of L2
 - ☐ C. Superior articular process of L3
 - ☐ D. Pedicle of L2
- What number illustrates the intervertebral disk at L2-3?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 2
- Which of the following is illustrated by 4?
 - ☐ A. Subarachnoid space
 - ☐ B. Zygapophysis
 - ☐ C. Inferior articular process of L2
 - ☐ D. Cauda equina
- What number illustrates the cauda equina?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2

**Figure 3-31**

- Which of the following is illustrated by 6?
 - ☐ A. Spinal cord
 - ☐ B. Dural sac
 - ☐ C. Conus medullaris
 - ☐ D. S1 nerve root
- Which of the following is illustrated by 10?
 - ☐ A. Intervertebral foramen
 - ☐ B. Conus medullaris
 - ☐ C. Cauda equina
 - ☐ D. L5 nerve root
- What number illustrates the epidural space?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 9
- Which of the following is illustrated by 9?
 - ☐ A. L5 nerve root
 - ☐ B. Posterior (dorsal) root ganglion
 - ☐ C. Intervertebral foramen
 - ☐ D. Dural sac
- Which of the following is illustrated by 3?
 - ☐ A. Transverse process of L5
 - ☐ B. Lateral part of S1
 - ☐ C. Lamina of S1
 - ☐ D. Pedicle of S1

**Figure 3-32**

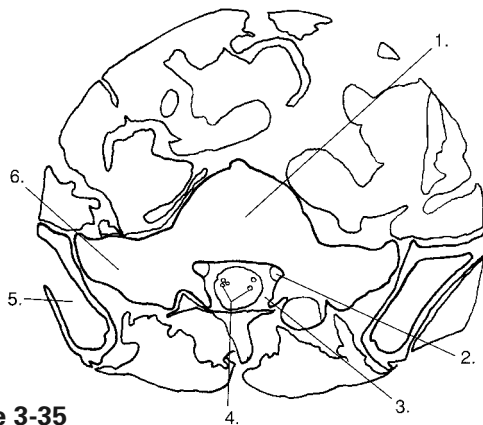
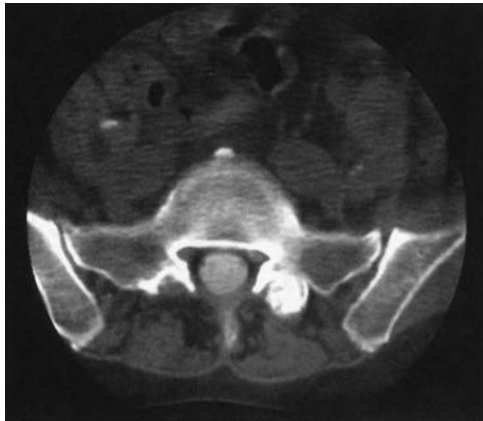
- Which of the following is illustrated by 6?
 - ☐ A. Ligamentum flavum
 - ☐ B. Epidural fat
 - ☐ C. Cauda equina
 - ☐ D. S1 nerve root
- Which of the following is illustrated by 4?
 - ☐ A. Intervertebral foramen
 - ☐ B. Intervertebral disk at L3-4
 - ☐ C. Cauda equina
 - ☐ D. Superior articular process of L4
- What number illustrates the subarachnoid space?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 5
- Which of the following is illustrated by 3?
 - ☐ A. Ligamentum flavum
 - ☐ B. Epidural fat
 - ☐ C. Intervertebral foramen
 - ☐ D. Dural sac
- Which of the following is illustrated by 5?
 - ☐ A. Transverse process of L5
 - ☐ B. Lateral part of S1
 - ☐ C. Inferior articular process of L3
 - ☐ D. Intervertebral disk at L3-4

**Figure 3-33**

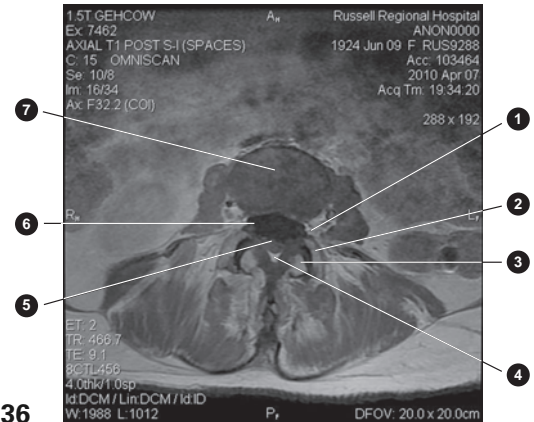
1. What number illustrates the lamina of L5?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 10
 - ☐ D. 5
2. Which of the following is illustrated by 3?
 - ☐ A. Spinal cord
 - ☐ B. Cauda equina
 - ☐ C. Epidural space
 - ☐ D. S1 nerve root
3. What number illustrates the nucleus pulposus?
 - ☐ A. 11
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 2
4. What number illustrates the lateral part of S1?
 - ☐ A. 10
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 9
5. Which of the following is illustrated by 5?
 - ☐ A. Superior articular process of S1
 - ☐ B. Superior articular process of L5
 - ☐ C. Inferior articular process of S1
 - ☐ D. Inferior articular process of L5

**Figure 3-34**

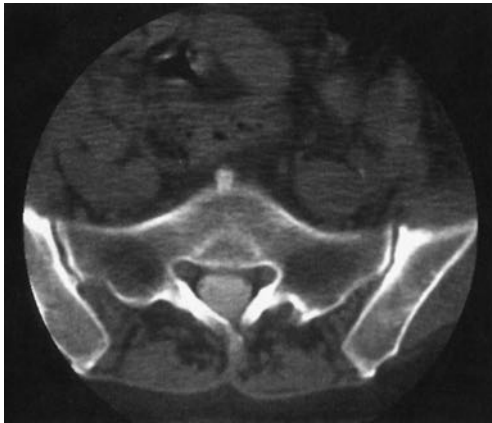
1. What number illustrates the superior endplate of L4?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 5
2. Which of the following is illustrated by 3?
 - ☐ A. Spinal cord
 - ☐ B. Zygapophyseal joint at L3-4
 - ☐ C. Epidural fat
 - ☐ D. S1 nerve root
3. What number illustrates the ligamentum flavum?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 2
4. What number illustrates the cauda equina?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 6
5. Which of the following is illustrated by 5?
 - ☐ A. Superior articular process of S1
 - ☐ B. Superior articular process of L5
 - ☐ C. Ligamentum flavum
 - ☐ D. Epidural fat

**Figure 3-35**

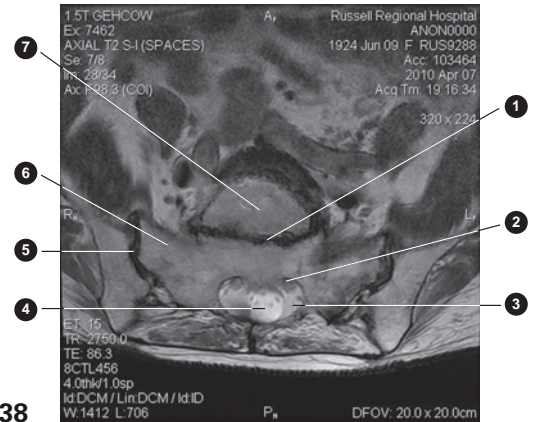
- Which of the following is illustrated by 3?
 - ☐ A. S1 nerve root
 - ☐ B. Epidural space
 - ☐ C. Subarachnoid space
 - ☐ D. S2-S5 nerve roots
- What number illustrates the ilium?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 5
- Which of the following is illustrated by 1?
 - ☐ A. Inferior endplate of L5
 - ☐ B. Intervertebral disk
 - ☐ C. Superior endplate of S1
 - ☐ D. Zygapophysis
- Which of the following is illustrated by 6?
 - ☐ A. Lateral part of S1
 - ☐ B. Ilium
 - ☐ C. Transverse process of L5
 - ☐ D. Superior endplate of S1
- Which of the following is illustrated by 4?
 - ☐ A. S1 nerve root
 - ☐ B. S2-S5 nerve roots
 - ☐ C. Dural sac
 - ☐ D. Epidural space

**Figure 3-36**

- Which of the following is illustrated by 7?
 - ☐ A. Intervertebral foramen
 - ☐ B. Epidural fat
 - ☐ C. Subarachnoid space
 - ☐ D. Intervertebral disk at L4-5
- What number illustrates the posterior root ganglion?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 5
- Which of the following is illustrated by 1?
 - ☐ A. Inferior endplate of L5
 - ☐ B. Intervertebral foramen
 - ☐ C. Superior articular process of L5
 - ☐ D. Zygapophysis
- Which of the following is illustrated by 3?
 - ☐ A. Inferior articular process of L4
 - ☐ B. Epidural fat
 - ☐ C. Transverse process of L5
 - ☐ D. Superior endplate of S1
- Which of the following is illustrated by 4?
 - ☐ A. S1 nerve root
 - ☐ B. S2-S5 nerve roots
 - ☐ C. Cauda equina
 - ☐ D. Epidural fat

**Figure 3-37**

1. What number illustrates the dural sac?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 2?
 - ☐ A. S1 nerve root
 - ☐ B. Subarachnoid space
 - ☐ C. Vertebral artery
 - ☐ D. Epidural space
3. Which of the following is illustrated by 6?
 - ☐ A. Lamina of S1
 - ☐ B. Zygapophysis
 - ☐ C. Sacroiliac joint
 - ☐ D. L5-S1 intervertebral joint
4. What number illustrates the osteophyte?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Dural sac
 - ☐ B. Epidural space
 - ☐ C. Spinal cord
 - ☐ D. S2 nerve root

**Figure 3-38**

1. What number illustrates the sacral nerve root?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 5?
 - ☐ A. S1 nerve root
 - ☐ B. Subarachnoid space
 - ☐ C. Sacroiliac joint
 - ☐ D. Epidural fat
3. Which of the following is illustrated by 6?
 - ☐ A. Lamina of S1
 - ☐ B. Lateral part of the sacrum
 - ☐ C. Sacroiliac joint
 - ☐ D. L5-S1 intervertebral joint
4. What number illustrates the S1 vertebral body?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 7
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Dural sac
 - ☐ B. Epidural fat
 - ☐ C. S1 vertebral body
 - ☐ D. Sacral nerve root

CLINICAL APPLICATIONS

1. There are usually _____ cervical vertebrae, _____ thoracic vertebrae, _____ lumbar vertebrae, and _____ sacral segments.
2. The transverse foramina are characteristic of which of the following vertebrae?
☐ A. Cervical
☐ B. Lumbar
☐ C. Sacral
☐ D. Thoracic
3. Describe the posterior longitudinal ligament.

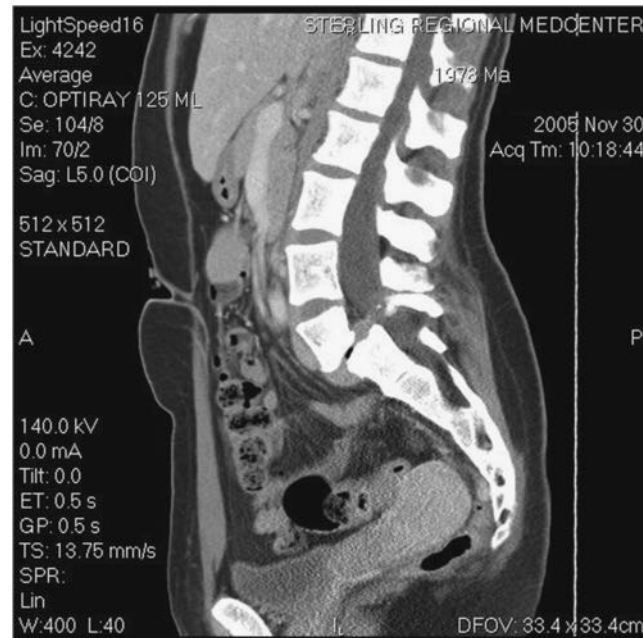
4. The anterior border of the right L5-S1 intervertebral foramen is formed by the _____, _____, and _____.
5. The conus medullaris is usually found at which of the following vertebral levels?
☐ A. T1-L2
☐ B. L1-L3
☐ C. L2-L4
☐ D. L3-L5
6. The _____ mater is the innermost meningeal layer.
7. In the spine, the upper and lower borders of the intervertebral foramen are formed by the
☐ A. Laminae
☐ B. Pedicles
☐ C. Articular processes
☐ D. Transverse processes
8. The [anterior/posterior] nerve root contains a collection of nerve cell bodies known as a ganglion.

9. In axial sections, which part of the vertebral column is described as having a batlike appearance?

10. Which of the following have the largest vertebral foramina?
☐ A. Cervical
☐ B. Thoracic
☐ C. Lumbar
☐ D. Sacral

CLINICAL CORRELATIONS

Clinical Case 3-1



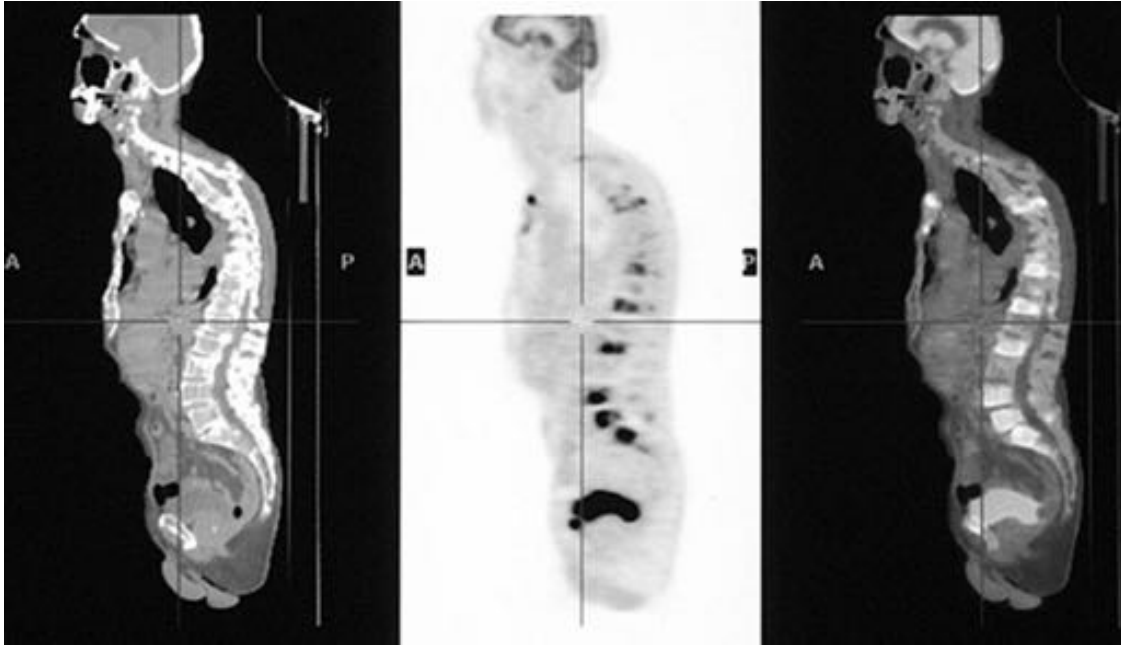
- Which of the following best describes the image generated above?
 - ☐ A. T1-weighted magnetic resonance (MR)
 - ☐ B. T2-weighted MR
 - ☐ C. Computed tomography (CT)
 - ☐ D. Positron emission tomography (PET)/CT
- In the image above, the injury is found at which of the following vertebral levels?
 - ☐ A. T12-L2
 - ☐ B. L1-L3
 - ☐ C. L3-L5
 - ☐ D. L5-S1
- Which of the following best describes the injury?
 - ☐ A. Spondylolysis
 - ☐ B. Spondylolisthesis
 - ☐ C. Degenerative disk disease
 - ☐ D. Ankylosing spondylitis
- Which of the following would most likely be affected by this injury?
 - ☐ A. Spinal cord
 - ☐ B. Cauda equina
 - ☐ C. Conus medullaris
 - ☐ D. Vagus nerve
- Would the injury shown above result in a constriction of the spinal nerves?
 - ☐ A. Yes
 - ☐ B. No

Clinical Case 3-2



1. Which of the following best describes the image generated above?
☐ A. T1-weighted MR
☐ B. T2-weighted MR
☐ C. CT
☐ D. PET/CT
2. In this image, does the spinal cord have a strong or weak signal?
☐ A. Strong
☐ B. Weak
3. Typically, the spinal cord terminates at what vertebral level?
☐ A. T12-L2
☐ B. L1-L3
☐ C. L3-L5
☐ D. L5-S1
4. The ventral nerve roots from the spinal cord transmit which of the following fibers?
☐ A. Motor
☐ B. Sensory
☐ C. Both of the above
☐ D. None of the above
5. In this image, does the cerebrospinal fluid have a strong or weak signal?
☐ A. Strong
☐ B. Weak

Clinical Case 3-3



1. Describe the location of the metastatic disease within the spine on the CT (*left*), PET (*middle*), and corresponding fused PET/CT (*right*) images in this patient who was previously treated for adenocarcinoma of the colon.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 3-4

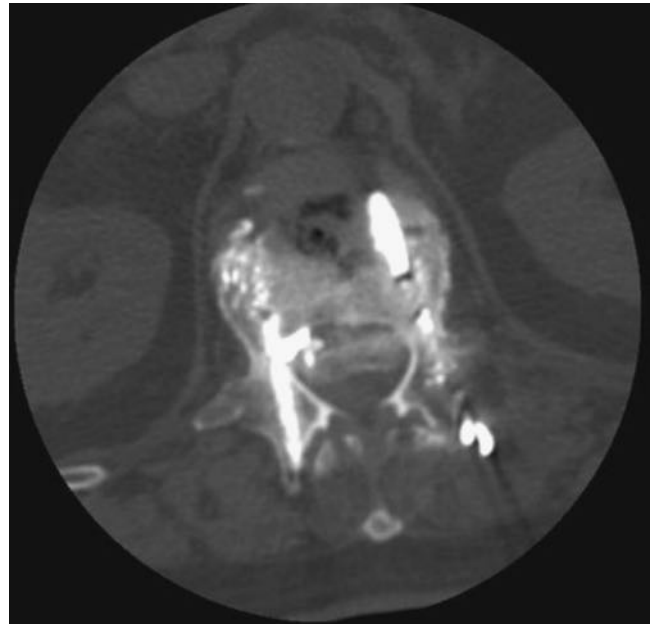


1. Describe the location of the pathology within the lower thoracic spine (T12 is lowest vertebra shown in full).

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 3-5



1. Describe the location of the pathology within the spine in this patient who previously underwent vertebroplasty (the upper part of L3 is the lowermost vertebra shown).

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 3-6



1. Describe the location of the metastatic disease shown in this MR imaging examination following the administration of 15 ml of gadolinium.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 3-7



1. Describe the location of the pathology shown with proton density (*left*) and T2-weighted (*right*) MR sagittal images in the spine of this 58-year-old patient reporting chronic lower back pain.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 3-8



1. Describe the location of the pathology shown with T1-weighted MR sagittal images in the spine of this female patient previously treated for malignant breast carcinoma (T12 is lowest vertebra shown completely).

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

CHAPTER 4

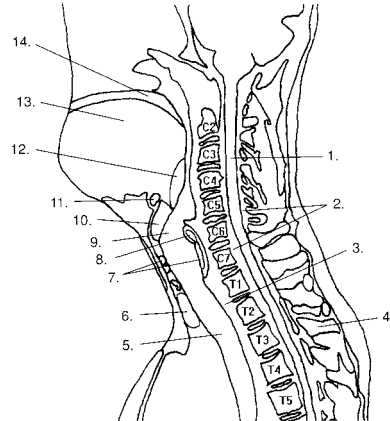
Neck

LABELING EXERCISES

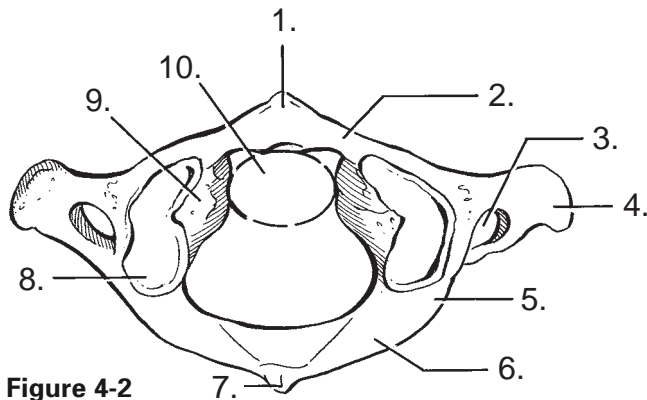
Fill in the blanks with the appropriate label.



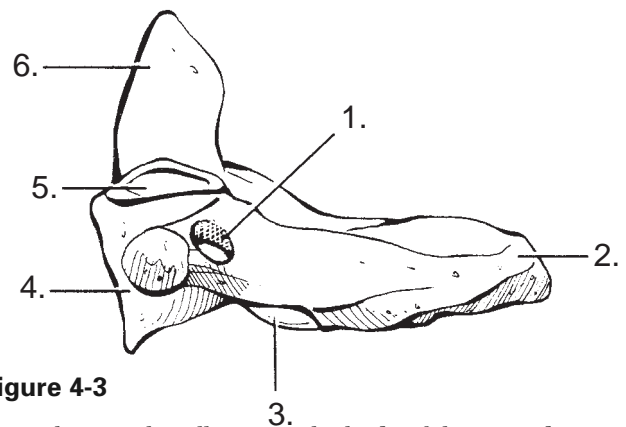
Figure 4-1



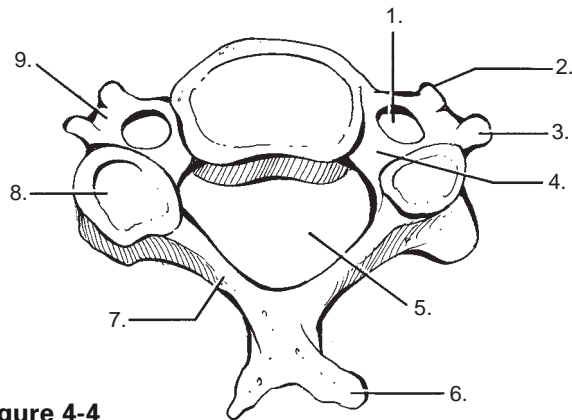
1. Which of the following is illustrated by 14?
 - ☐ A. Nasopharynx
 - ☐ B. Genioglossus muscle
 - ☐ C. Soft palate
 - ☐ D. Maxilla
2. Which of the following is illustrated by 7?
 - ☐ A. Thyroid cartilage
 - ☐ B. Cricoid cartilage
 - ☐ C. Arytenoid cartilage
 - ☐ D. Hyoid bone
3. Which number illustrates the genioglossus muscle?
 - ☐ A. 13
 - ☐ B. 14
 - ☐ C. 12
 - ☐ D. 10
4. Which of the following is illustrated by 8?
 - ☐ A. Arytenoid cartilage
 - ☐ B. Cricoid cartilage
 - ☐ C. Thyroid cartilage
 - ☐ D. Hyoid bone
5. Which number illustrates the isthmus of the thyroid gland?
 - ☐ A. 12
 - ☐ B. 7
 - ☐ C. 10
 - ☐ D. 6


Figure 4-2

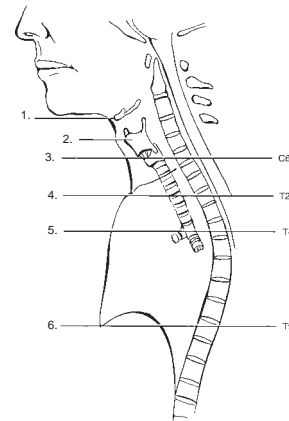
1. Which of the following is illustrated by 4?
 - ☐ A. Anterior tubercle
 - ☐ B. Posterior tubercle
 - ☐ C. Transverse process
 - ☐ D. Transverse foramen
2. Which of the following is illustrated by 1?
 - ☐ A. Transverse process
 - ☐ B. Anterior tubercle
 - ☐ C. Posterior tubercle
 - ☐ D. Superior articular facet
3. What number illustrates the posterior tubercle?
 - ☐ A. 10
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 1
4. What number illustrates the dens?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 10
5. Which of the following is illustrated by 3
 - ☐ A. Transverse foramen
 - ☐ B. Transverse process
 - ☐ C. Superior articular facet
 - ☐ D. Dens


Figure 4-3

1. What number illustrates the body of the second cervical vertebrae?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 1
2. Which of the following is illustrated by 2?
 - ☐ A. Spinous process
 - ☐ B. Transverse process
 - ☐ C. Anterior tubercle
 - ☐ D. Superior articular facet
3. Which of the following is illustrated by 6?
 - ☐ A. Inferior articular facet
 - ☐ B. Superior articular facet
 - ☐ C. Dens
 - ☐ D. Transverse process
4. What number illustrates the inferior articular facet?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 5
5. Which of the following is illustrated by 1?
 - ☐ A. Superior articular facet
 - ☐ B. Inferior articular facet
 - ☐ C. Dens
 - ☐ D. Transverse foramen

**Figure 4-4**

1. What number illustrates the lamina?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
2. Which of the following is illustrated by 5?
 - ☐ A. Transverse foramen
 - ☐ B. Spinous process
 - ☐ C. Vertebral foramen
 - ☐ D. Superior articular facet
3. Which of the following is illustrated by 4?
 - ☐ A. Spinous process
 - ☐ B. Superior articular facet
 - ☐ C. Lamina
 - ☐ D. Pedicle
4. What number illustrates the superior articular process?
 - ☐ A. 9
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 8
5. Which of the following is illustrated by 6?
 - ☐ A. Pedicle
 - ☐ B. Spinous process
 - ☐ C. Lamina
 - ☐ D. Anterior tubercle

**Figure 4-5**

1. Which of the following is illustrated by 2?
 - ☐ A. Hyoid bone
 - ☐ B. Thyroid cartilage
 - ☐ C. Cricoid cartilage
 - ☐ D. Xiphoid
2. Which of the following is illustrated by 3?
 - ☐ A. Thyroid cartilage
 - ☐ B. Cricoid cartilage
 - ☐ C. Xiphoid
 - ☐ D. Sternal angle
3. What number illustrates the sternal angle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
4. Which of the following is illustrated by 3?
 - ☐ A. Cricoid cartilage
 - ☐ B. Thyroid cartilage
 - ☐ C. Sternal angle
 - ☐ D. Hyoid bone
5. What number illustrates the thoracic inlet?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4

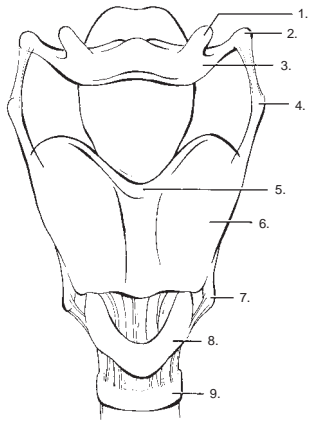


Figure 4-6

1. Which of the following is illustrated by 6?
 - ☐ A. Hyoid bone
 - ☐ B. Cricoid cartilage
 - ☐ C. Thyroid cartilage
 - ☐ D. Trachea
2. Which of the following is illustrated by 3?
 - ☐ A. Hyoid bone
 - ☐ B. Trachea
 - ☐ C. Thyroid cartilage
 - ☐ D. Cricoid cartilage
3. What number illustrates the trachea?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 9
4. Which of the following is illustrated by 8?
 - ☐ A. Thyroid cartilage
 - ☐ B. Cricoid cartilage
 - ☐ C. Laryngeal prominence
 - ☐ D. Trachea
5. What number illustrates the laryngeal prominence?
 - ☐ A. 9
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 1

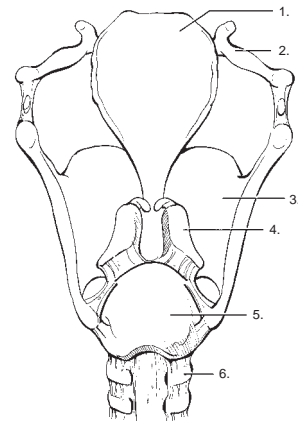
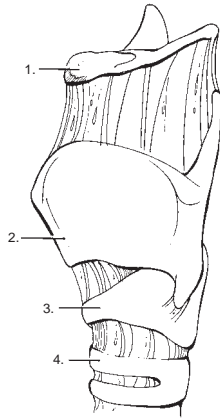
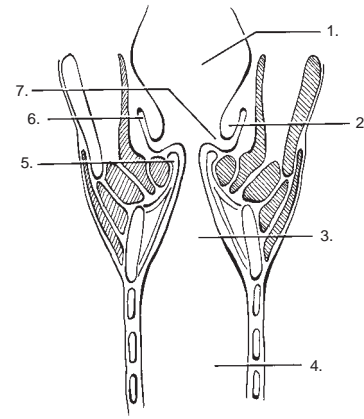


Figure 4-7

1. What number illustrates the epiglottic cartilage?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 5
 - ☐ D. 2
2. Which of the following is illustrated by 2?
 - ☐ A. Epiglottic cartilage
 - ☐ B. Hyoid bone
 - ☐ C. Thyroid cartilage
 - ☐ D. Arytenoid cartilage
3. What number illustrates the arytenoid cartilage?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 5?
 - ☐ A. Hyoid bone
 - ☐ B. Thyroid cartilage
 - ☐ C. Arytenoid cartilage
 - ☐ D. Cricoid cartilage
5. Which of the following is illustrated by 6?
 - ☐ A. Trachea
 - ☐ B. Arytenoid cartilage
 - ☐ C. Cricoid cartilage
 - ☐ D. Thyroid cartilage

**Figure 4-8**

1. What number illustrates the arytenoid cartilage?
☐ A. 1
☐ B. 2
☐ C. 4
☐ D. None of the above
2. Which of the following is illustrated by 4?
☐ A. Trachea
☐ B. Cricoid cartilage
☐ C. Thyroid cartilage
☐ D. Hyoid bone
3. What number illustrates the hyoid bone?
☐ A. 4
☐ B. 3
☐ C. 2
☐ D. 1
4. Which of the following is illustrated by 2?
☐ A. Hyoid bone
☐ B. Thyroid cartilage
☐ C. Cricoid cartilage
☐ D. Trachea
5. Which of the following is illustrated by 3?
☐ A. Hyoid bone
☐ B. Thyroid cartilage
☐ C. Cricoid cartilage
☐ D. Trachea

**Figure 4-9**

1. Which of the following is illustrated by 7?
☐ A. Laryngeal vestibule
☐ B. Vestibular fold
☐ C. Glottic space
☐ D. Infraglottic cavity
2. What number illustrates the infraglottic cavity?
☐ A. 3
☐ B. 4
☐ C. 6
☐ D. 5
3. Which of the following is illustrated by 2?
☐ A. Glottic space
☐ B. Vestibular fold
☐ C. Laryngeal vestibule
☐ D. Trachea
4. Which of the following is illustrated by 1?
☐ A. Trachea
☐ B. Laryngeal vestibule
☐ C. Vestibular fold
☐ D. Glottic space
5. What number illustrates the trachea?
☐ A. 5
☐ B. 4
☐ C. 6
☐ D. 2

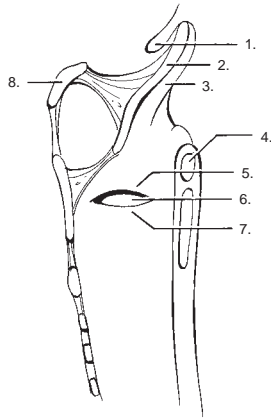


Figure 4-10

1. Which of the following is illustrated by 8?
 - ☐ A. Hyoid bone
 - ☐ B. Aryepiglottic fold
 - ☐ C. Vestibular fold
 - ☐ D. Vocal fold
2. What number illustrates the vestibular fold?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
3. Which of the following is illustrated by 2?
 - ☐ A. Aryepiglottic fold
 - ☐ B. Epiglottis
 - ☐ C. Hyoid bone
 - ☐ D. Vocal fold
4. Which of the following is illustrated by 6?
 - ☐ A. Aryepiglottic fold
 - ☐ B. Vocal fold
 - ☐ C. Vestibular fold
 - ☐ D. Glottic space
5. What number illustrates the vallecula?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5

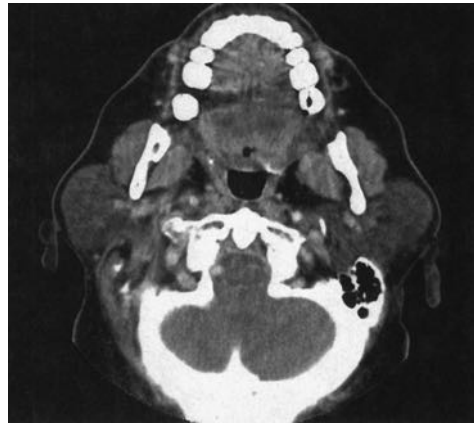
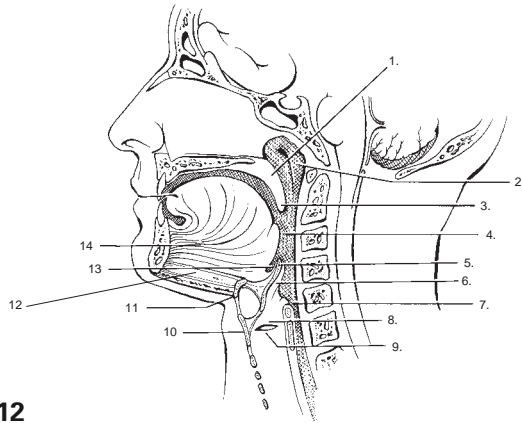
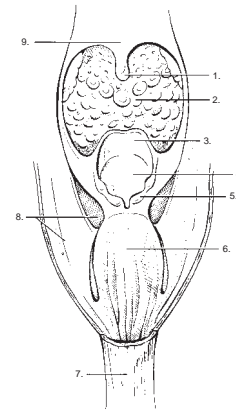


Figure 4-11

1. Which of the following is illustrated by 3?
 - ☐ A. Internal carotid artery
 - ☐ B. Styloid process
 - ☐ C. Internal jugular vein
 - ☐ D. Dens
2. Which number illustrates the internal jugular vein?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 2
 - ☐ D. 3
3. Which of the following is illustrated by 7?
 - ☐ A. Retromandibular vein
 - ☐ B. Submandibular gland
 - ☐ C. Parotid gland
 - ☐ D. Sublingual gland
4. Which of the following is illustrated by 2?
 - ☐ A. Vallecula
 - ☐ B. Laryngeal pharynx
 - ☐ C. Uvula
 - ☐ D. Oropharynx
5. Which of the following is illustrated by 5?
 - ☐ A. Basilar artery
 - ☐ B. Internal jugular vein
 - ☐ C. Vertebral artery
 - ☐ D. Internal carotid artery

**Figure 4-12**

- Which of the following is illustrated by 3?
 - ☐ A. Vocal fold
 - ☐ B. Vestibular fold
 - ☐ C. Uvula
 - ☐ D. Epiglottis
- What number illustrates the geniohyoid muscle?
 - ☐ A. 6
 - ☐ B. 12
 - ☐ C. 14
 - ☐ D. 8
- What number illustrates the thyroid cartilage?
 - ☐ A. 10
 - ☐ B. 11
 - ☐ C. 12
 - ☐ D. 4
- Which of the following is illustrated by 5?
 - ☐ A. Uvula
 - ☐ B. Vocal fold
 - ☐ C. Soft palate
 - ☐ D. Epiglottis
- What number illustrates the hyoid bone?
 - ☐ A. 6
 - ☐ B. 11
 - ☐ C. 5
 - ☐ D. 10

**Figure 4-13**

- Which of the following is illustrated by 5?
 - ☐ A. Uvula
 - ☐ B. Aryepiglottic fold
 - ☐ C. Epiglottis
 - ☐ D. Esophagus
- Which of the following is illustrated by 3?
 - ☐ A. Esophagus
 - ☐ B. Uvula
 - ☐ C. Epiglottis
 - ☐ D. Soft palate
- What number illustrates the esophagus?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 9
- Which of the following is illustrated by 9?
 - ☐ A. Soft palate
 - ☐ B. Uvula
 - ☐ C. Tongue
 - ☐ D. Epiglottis
- What number illustrates the uvula?
 - ☐ A. 9
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 1

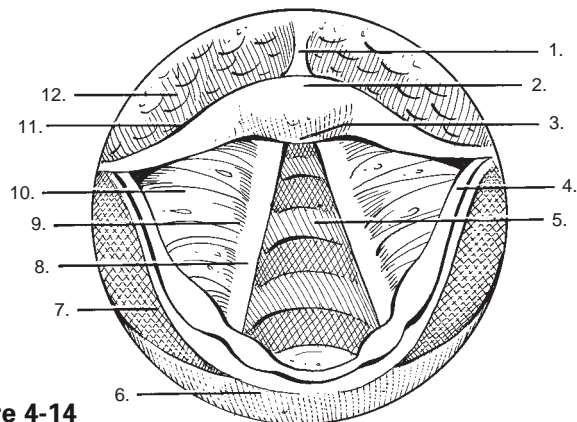


Figure 4-14

1. What number illustrates the epiglottis?
☐ A. 1
☐ B. 7
☐ C. 5
☐ D. 2
2. Which of the following is illustrated by 12?
☐ A. Epiglottic cartilage
☐ B. Vocal fold
☐ C. Tongue
☐ D. Aryepiglottic fold
3. What number illustrates the trachea?
☐ A. 6
☐ B. 5
☐ C. 4
☐ D. 1
4. Which of the following is illustrated by 10?
☐ A. Vestibular fold
☐ B. Vocal fold
☐ C. Aryepiglottic fold
☐ D. Piriform sinus
5. Which of the following is illustrated by 9?
☐ A. Trachea
☐ B. Aryepiglottic fold
☐ C. Glottic space
☐ D. Piriform sinus

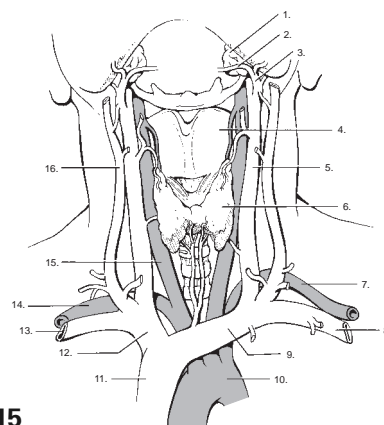
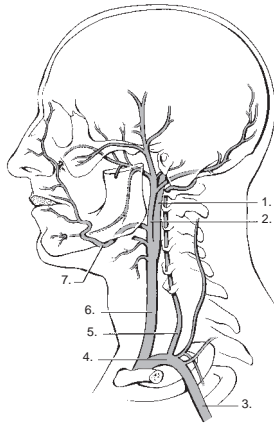
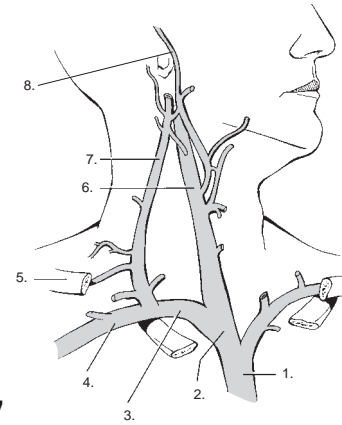


Figure 4-15

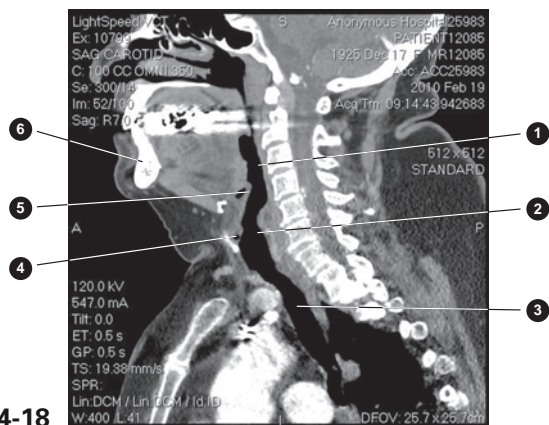
1. What number illustrates the thyroid cartilage?
☐ A. 1
☐ B. 2
☐ C. 4
☐ D. 6
2. Which of the following is illustrated by 14?
☐ A. Right subclavian artery
☐ B. Right subclavian vein
☐ C. External jugular vein
☐ D. Common carotid artery
3. What number illustrates the thyroid gland?
☐ A. 4
☐ B. 3
☐ C. 2
☐ D. 6
4. Which of the following is illustrated by 5?
☐ A. External jugular vein
☐ B. Internal jugular vein
☐ C. Common carotid artery
☐ D. Facial vein
5. Which of the following is illustrated by 3?
☐ A. Facial vein
☐ B. Submental vein
☐ C. Internal jugular vein
☐ D. Left subclavian vein

**Figure 4-16**

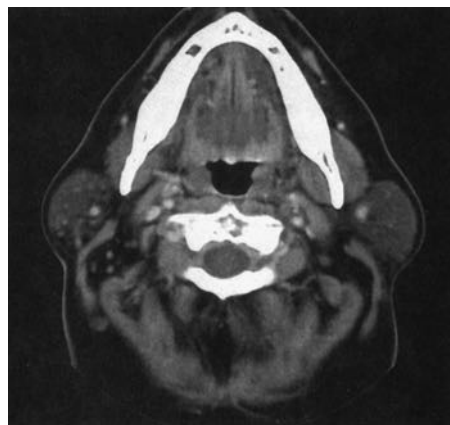
- Which of the following is illustrated by 7?
 - ☐ A. Subclavian artery
 - ☐ B. Facial artery
 - ☐ C. Common carotid artery
 - ☐ D. Internal carotid artery
- What number illustrates the vertebral artery?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 2?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. External carotid artery
 - ☐ D. Subclavian artery
- Which of the following is illustrated by 1?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. External carotid artery
 - ☐ D. Facial artery
- What number illustrates the common carotid artery?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2

**Figure 4-17**

- Which of the following is illustrated by 8?
 - ☐ A. Retromandibular vein
 - ☐ B. External jugular vein
 - ☐ C. Internal jugular vein
 - ☐ D. Superior vena cava
- What number illustrates the right axillary vein?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
- Which of the following is illustrated by 2?
 - ☐ A. Superior vena cava
 - ☐ B. Right brachiocephalic vein
 - ☐ C. Right axillary vein
 - ☐ D. External jugular vein
- Which of the following is illustrated by 6?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Right axillary vein
 - ☐ D. Right brachiocephalic vein
- What number illustrates the superior vena cava?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5

**Figure 4-18**

- Which number illustrates the larynx?
☐ A. 6
☐ B. 2
☐ C. 5
☐ D. 3
- Which of the following is illustrated by 3?
☐ A. Vallecula
☐ B. Esophagus
☐ C. Trachea
☐ D. Thyroid gland
- Which number illustrates the epiglottis?
☐ A. 6
☐ B. 2
☐ C. 5
☐ D. 3
- Which of the following is illustrated by 1?
☐ A. Oropharynx
☐ B. Trachea
☐ C. Larynx
☐ D. Esophagus
- Which number illustrates the glottic space?
☐ A. 6
☐ B. 2
☐ C. 4
☐ D. 5

**Figure 4-19**

- Which of the following is illustrated by 2?
☐ A. Maxilla
☐ B. Ramus of mandible
☐ C. Body of mandible
☐ D. Coronoid notch
- Which number illustrates the lamina?
☐ A. 5
☐ B. 6
☐ C. 2
☐ D. 4
- Which of the following is illustrated by 4?
☐ A. Right retromandibular vein
☐ B. Left retromandibular vein
☐ C. Right external jugular vein
☐ D. Left external jugular vein
- Which number illustrates the parotid gland?
☐ A. 1
☐ B. 6
☐ C. 5
☐ D. 3
- Which number illustrates the internal carotid artery?
☐ A. 8
☐ B. 4
☐ C. 7
☐ D. 6

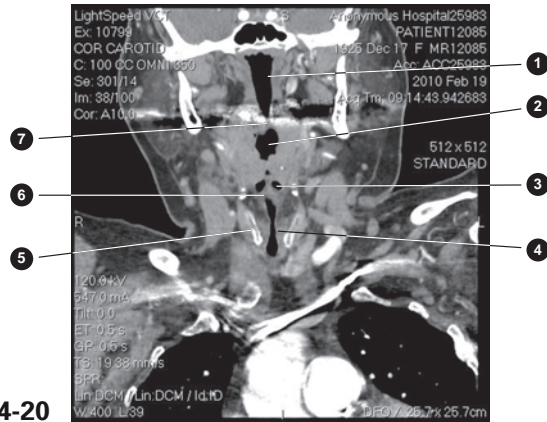


Figure 4-20

1. Which of the following is illustrated by 6?
 - ☐ A. Geniohyoid muscle
 - ☐ B. Vocal fold
 - ☐ C. Genioglossus muscle
 - ☐ D. Epiglottis
2. Which number illustrates the thyroid cartilage?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 3
3. Which of the following is illustrated by 2?
 - ☐ A. Nasopharynx
 - ☐ B. Oropharynx
 - ☐ C. Larynx
 - ☐ D. Vallecula
4. Which of the following is illustrated by 1?
 - ☐ A. Nasopharynx
 - ☐ B. Oropharynx
 - ☐ C. Vallecula
 - ☐ D. Uvula
5. Which number illustrates the vallecula?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

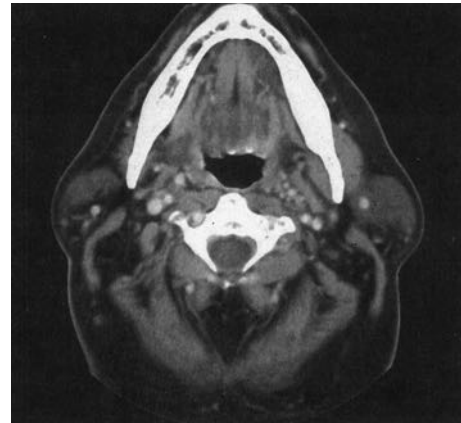


Figure 4-21

1. Which of the following is illustrated by 4?
 - ☐ A. Right internal carotid artery
 - ☐ B. Left internal carotid artery
 - ☐ C. Right internal jugular vein
 - ☐ D. Left internal jugular vein
2. Which of the following is illustrated by 1?
 - ☐ A. Soft palate
 - ☐ B. Geniohyoid muscle
 - ☐ C. Sternocleidomastoid muscle
 - ☐ D. Genioglossus muscle
3. Which of the following is illustrated by 7?
 - ☐ A. Body of the mandible
 - ☐ B. Ramus of the mandible
 - ☐ C. Maxilla
 - ☐ D. Coronoid notch
4. Which of the following is illustrated by 6?
 - ☐ A. Right internal jugular vein
 - ☐ B. Left internal jugular vein
 - ☐ C. Right internal carotid artery
 - ☐ D. Left retromandibular vein
5. Which of the following is illustrated by 5?
 - ☐ A. Right internal carotid artery
 - ☐ B. Left internal carotid artery
 - ☐ C. Left retromandibular vein
 - ☐ D. Right retromandibular vein

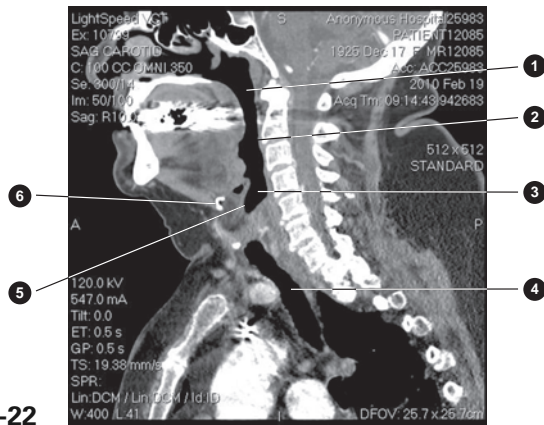


Figure 4-22

1. Which number illustrates the laryngeal pharynx?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
2. Which of the following is illustrated by 4?
 - ☐ A. Vallecula
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Thyroid gland
3. Which number illustrates the aryepiglottic fold?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 2?
 - ☐ A. Oropharynx
 - ☐ B. Trachea
 - ☐ C. Larynx
 - ☐ D. Esophagus
5. Which number illustrates the hyoid bone?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

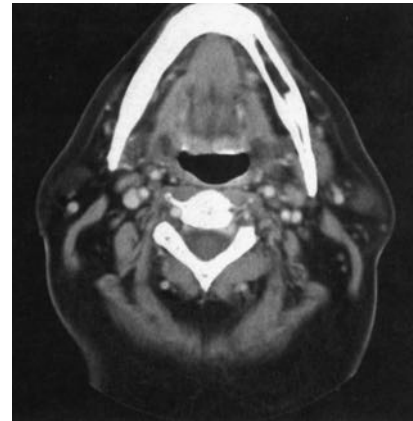


Figure 4-23

1. Which of the following illustrates the intervertebral foramen?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 10
2. Which number illustrates the internal jugular vein?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 5
3. Which of the following is illustrated by 5?
 - ☐ A. Internal carotid artery
 - ☐ B. Internal jugular vein
 - ☐ C. Retromandibular vein
 - ☐ D. Vertebral artery
4. Which of the following is illustrated by 4?
 - ☐ A. Lamina
 - ☐ B. Spinal cord
 - ☐ C. Intervertebral foramen
 - ☐ D. Oropharynx
5. Which of the following is illustrated by 9?
 - ☐ A. Internal carotid artery
 - ☐ B. Internal jugular vein
 - ☐ C. External carotid artery
 - ☐ D. Vertebral artery

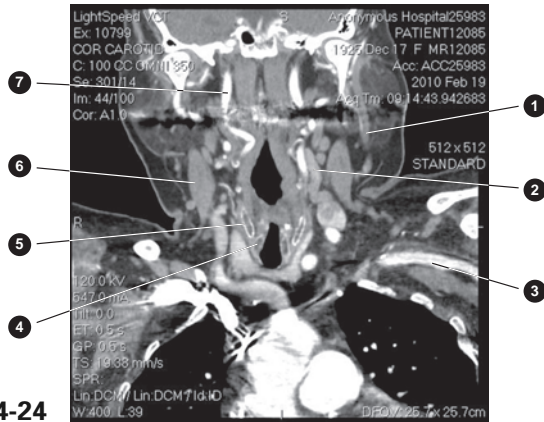


Figure 4-24

1. Which of the following is illustrated by 6?
 - ☐ A. Geniohyoid muscle
 - ☐ B. Vocal fold
 - ☐ C. Genioglossus muscle
 - ☐ D. Sternocleidomastoid muscle
2. Which number illustrates the thyroid cartilage?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 3
3. Which of the following is illustrated by 2?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Common carotid artery
 - ☐ D. Sternocleidomastoid muscle
4. Which of the following is illustrated by 7?
 - ☐ A. Hyoid bone
 - ☐ B. Thyroid cartilage
 - ☐ C. Vocal fold
 - ☐ D. Internal carotid artery
5. Which number illustrates the cricoid cartilage?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

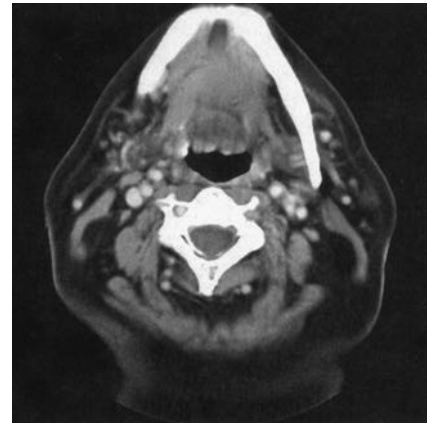
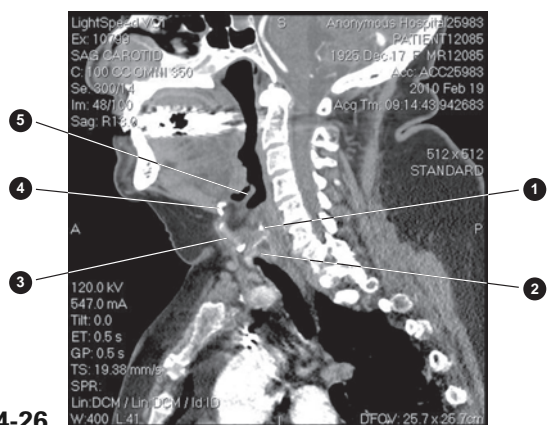
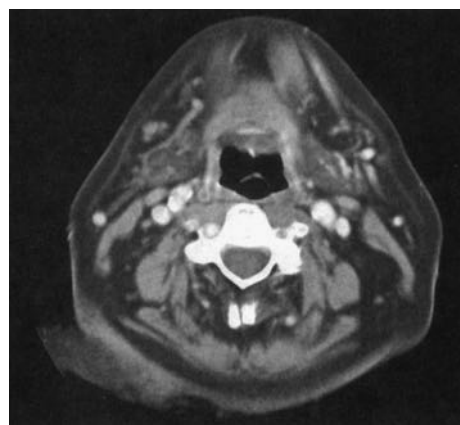


Figure 4-25

1. Which of the following is illustrated by 8?
 - ☐ A. Right internal carotid artery
 - ☐ B. Left internal carotid artery
 - ☐ C. Right external carotid artery
 - ☐ D. Left external carotid artery
2. Which number illustrates the body of the mandible?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 8
3. Which of the following is illustrated by 3?
 - ☐ A. Larynx
 - ☐ B. Laryngeal pharynx
 - ☐ C. Nasopharynx
 - ☐ D. Oropharynx
4. Which of the following is illustrated by 6?
 - ☐ A. Internal carotid artery
 - ☐ B. External carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. External jugular vein
5. Which of the following is illustrated by 4?
 - ☐ A. Retromandibular vein
 - ☐ B. Retromandibular artery
 - ☐ C. External jugular vein
 - ☐ D. External carotid artery

**Figure 4-26**

1. Which number illustrates the cricoid cartilage?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
2. Which of the following is illustrated by 3?
 - ☐ A. Vallecula
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Thyroid cartilage
3. Which number illustrates the arytenoid cartilage?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 5?
 - ☐ A. Cricoid cartilage
 - ☐ B. Arytenoid cartilage
 - ☐ C. Epiglottis
 - ☐ D. Esophagus
5. Which number illustrates the hyoid bone?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

**Figure 4-27**

1. Which of the following is illustrated by 4?
 - ☐ A. Internal carotid artery
 - ☐ B. Common carotid artery
 - ☐ C. External jugular vein
 - ☐ D. Internal jugular vein
2. Which number illustrates the epiglottis?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 8
3. Which number illustrates the internal jugular vein?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 8
4. Which of the following is illustrated by 3?
 - ☐ A. Oropharynx
 - ☐ B. Laryngeal pharynx
 - ☐ C. Piriform sinus
 - ☐ D. Vallecula
5. Which of the following is illustrated by 2?
 - ☐ A. Vallecula
 - ☐ B. Glottic space
 - ☐ C. Laryngeal pharynx
 - ☐ D. Piriform sinus

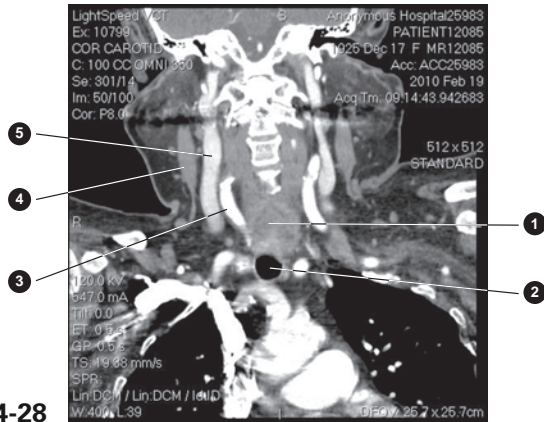


Figure 4-28

- Which of the following is illustrated by 4?
 - ☐ A. Geniohyoid muscle
 - ☐ B. Vocal fold
 - ☐ C. Genioglossus muscle
 - ☐ D. Sternocleidomastoid muscle
- Which number illustrates the common carotid artery?
 - ☐ A. 5
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
- Which of the following is illustrated by 5?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Common carotid artery
 - ☐ D. Sternocleidomastoid muscle
- Which of the following is illustrated by 1?
 - ☐ A. Esophagus
 - ☐ B. Thyroid cartilage
 - ☐ C. Vocal fold
 - ☐ D. Genioglossus muscle
- Which number illustrates the trachea?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

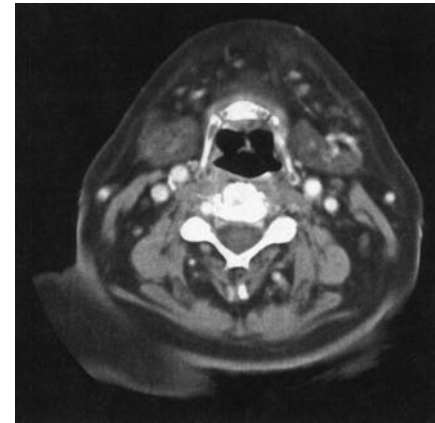


Figure 4-29

- Which of the following is illustrated by 4?
 - ☐ A. Glottic space
 - ☐ B. Laryngeal pharynx
 - ☐ C. Piriform sinus
 - ☐ D. Vallecula
- Which number illustrates the laryngeal pharynx?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
- Which number illustrates the median glossoepiglottic fold?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 11
 - ☐ D. 4
- Which of the following is illustrated by 1?
 - ☐ A. Hyoid bone
 - ☐ B. Cricoid cartilage
 - ☐ C. Body of the mandible
 - ☐ D. Thyroid cartilage
- Which of the following is illustrated by 7?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. External jugular vein

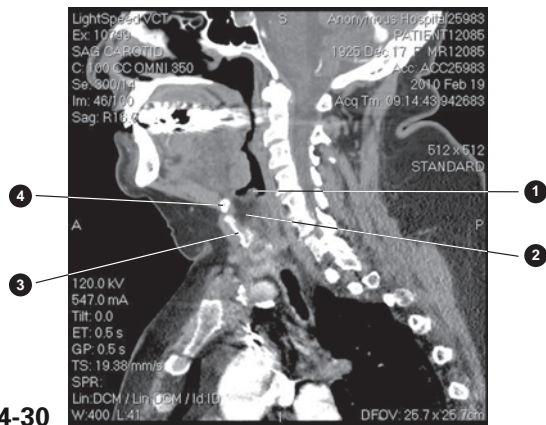


Figure 4-30

1. Which number illustrates the thyroid cartilage?
☐ A. 1
☐ B. 2
☐ C. 5
☐ D. 3
2. Which of the following is illustrated by 2?
☐ A. Vallecula
☐ B. Esophagus
☐ C. Trachea
☐ D. Piriform sinus
3. Which number illustrates the aryepiglottic fold?
☐ A. 1
☐ B. 2
☐ C. 5
☐ D. 3
4. Which number illustrates the hyoid bone?
☐ A. 1
☐ B. 2
☐ C. 4
☐ D. 3

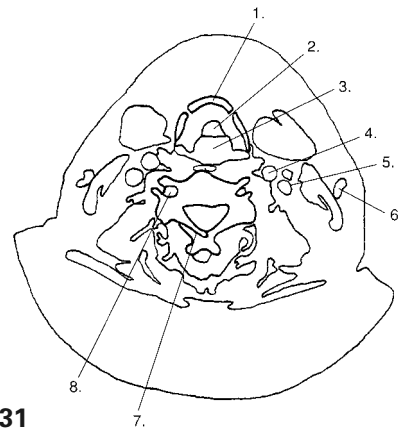
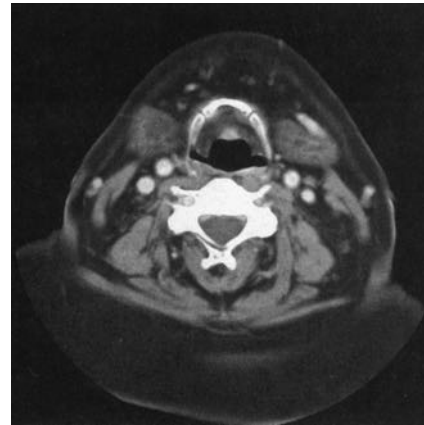


Figure 4-31

1. Which of the following is illustrated by 6?
☐ A. External jugular vein
☐ B. Internal jugular vein
☐ C. Retromandibular vein
☐ D. External carotid artery
2. Which number illustrates the laryngeal vestibule?
☐ A. 2
☐ B. 3
☐ C. 1
☐ D. 8
3. Which of the following is illustrated by 2?
☐ A. Arytenoid cartilage
☐ B. Uvula
☐ C. Epiglottis
☐ D. Laryngeal vestibule
4. Which of the following is illustrated by 4?
☐ A. Internal jugular vein
☐ B. Internal carotid artery
☐ C. Common carotid artery
☐ D. External jugular vein
5. Which of the following is illustrated by 1?
☐ A. Cricoid cartilage
☐ B. Arytenoid cartilage
☐ C. Thyroid cartilage
☐ D. Hyoid bone

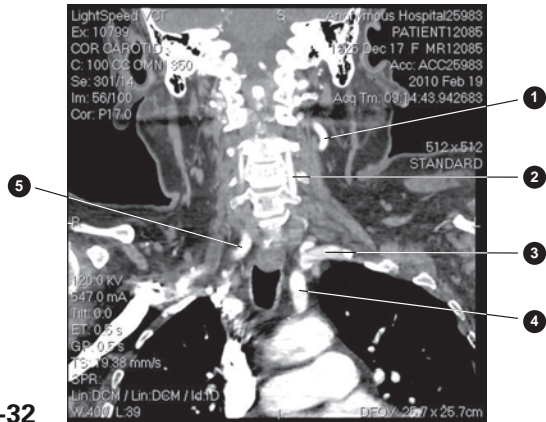


Figure 4-32

1. Which of the following is illustrated by 1?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. External carotid artery
2. Which number illustrates the common carotid artery?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 4?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Common carotid artery
 - ☐ D. Sternocleidomastoid muscle
4. Which of the following is illustrated by 2?
 - ☐ A. Internal jugular vein
 - ☐ B. Sternocleidomastoid muscle
 - ☐ C. Common carotid artery
 - ☐ D. Vertebral artery
5. Which number illustrates the subclavian artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5

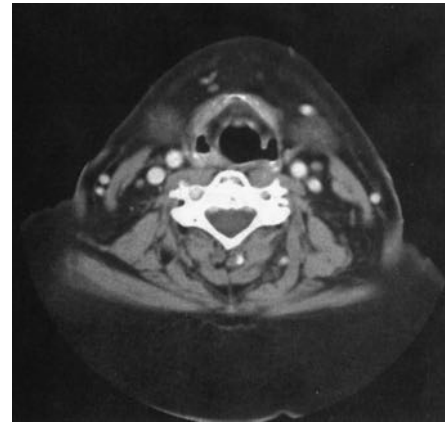


Figure 4-33

1. Which number illustrates the vertebral artery?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 5
2. Which of the following is illustrated by 1?
 - ☐ A. Piriform sinus
 - ☐ B. Laryngeal vestibule
 - ☐ C. Vallecula
 - ☐ D. Laryngeal pharynx
3. Which of the following is illustrated by 8?
 - ☐ A. Vallecula
 - ☐ B. Laryngeal pharynx
 - ☐ C. Piriform sinus
 - ☐ D. Laryngeal vestibule
4. Which of the following is illustrated by 2?
 - ☐ A. Aryepiglottic fold
 - ☐ B. Vestibular fold
 - ☐ C. Vallecula
 - ☐ D. Vocal fold
5. Which number illustrates the common carotid artery?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3

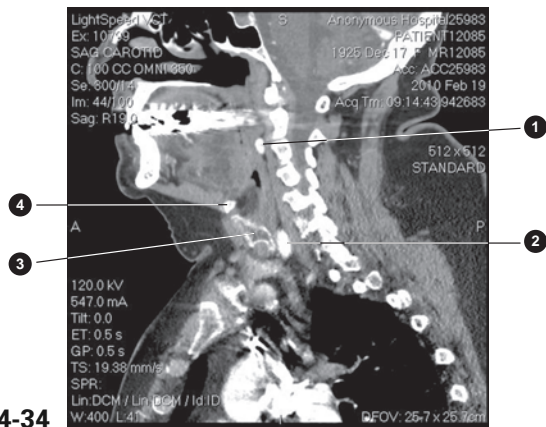


Figure 4-34

1. Which number illustrates the thyroid cartilage?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
2. Which of the following is illustrated by 1?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. External carotid artery
3. Which number illustrates the hyoid bone?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
4. Which number illustrates the common carotid artery?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3

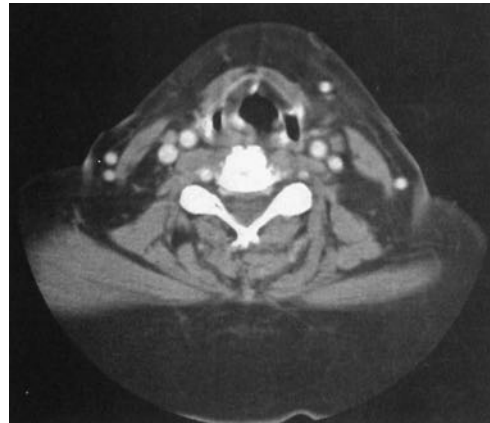


Figure 4-35

1. Which of the following is illustrated by 6?
 - ☐ A. Vertebral artery
 - ☐ B. External jugular vein
 - ☐ C. Internal jugular vein
 - ☐ D. Common carotid artery
2. Which of the following is illustrated by 8?
 - ☐ A. Cricoid cartilage
 - ☐ B. Thyroid cartilage
 - ☐ C. Hyoid bone
 - ☐ D. Arytenoid cartilage
3. Which number illustrates the laryngeal vestibule?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 1
 - ☐ D. 2
4. Which number illustrates the piriform sinus?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 1
5. Which of the following is illustrated by 7?
 - ☐ A. Vallecula
 - ☐ B. Thyroid cartilage
 - ☐ C. Laryngeal vestibule
 - ☐ D. Arytenoid cartilage

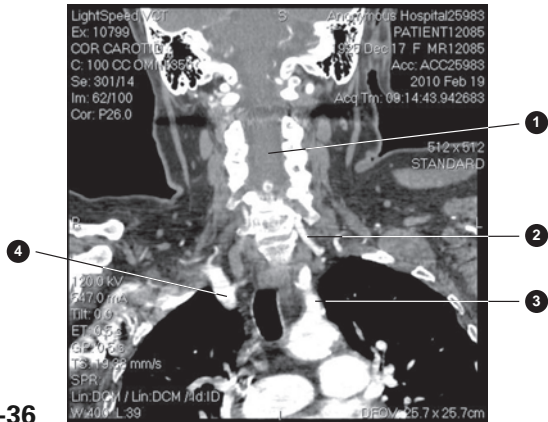


Figure 4-36

1. Which of the following is illustrated by 3?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. Brachiocephalic artery
2. Which number illustrates the brachiocephalic artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 2?
 - ☐ A. Internal carotid artery
 - ☐ B. Vertebral artery
 - ☐ C. Common carotid artery
 - ☐ D. Brachiocephalic artery
4. Which of the following is illustrated by 1?
 - ☐ A. Internal jugular vein
 - ☐ B. Sternocleidomastoid muscle
 - ☐ C. Spinal canal
 - ☐ D. Vertebral artery

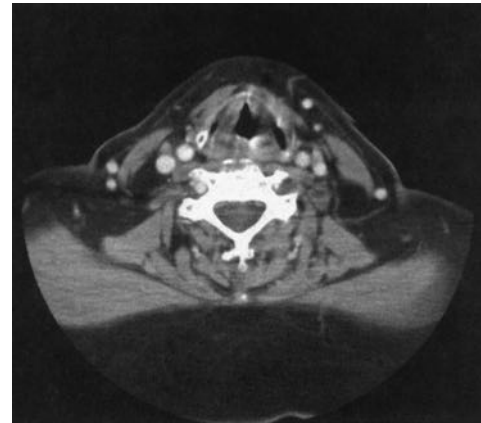


Figure 4-37

1. Which of the following is illustrated by 3?
 - ☐ A. Hyoid bone
 - ☐ B. Arytenoid cartilage
 - ☐ C. Cricoid cartilage
 - ☐ D. Thyroid cartilage
2. Which of the following is illustrated by 4?
 - ☐ A. Piriform sinus
 - ☐ B. Glottic space
 - ☐ C. Vallecula
 - ☐ D. Oropharynx
3. Which number illustrates the arytenoid cartilage?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
4. Which of the following is illustrated by 3?
 - ☐ A. Oropharynx
 - ☐ B. Glottic space
 - ☐ C. Arytenoid cartilage
 - ☐ D. Laryngeal vestibule
5. Which number illustrates the common carotid artery?
 - ☐ A. 5
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 10

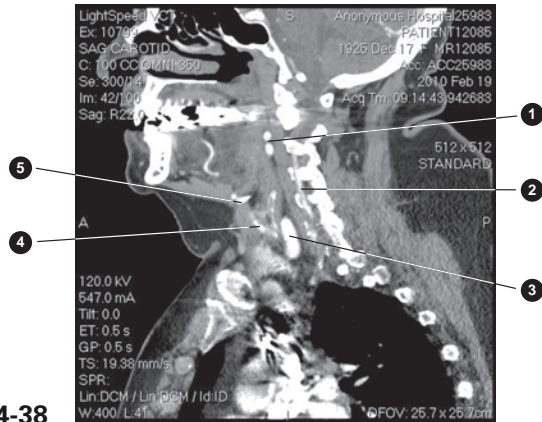


Figure 4-38

1. Which number illustrates the thyroid cartilage?
☐ A. 5
☐ B. 2
☐ C. 4
☐ D. 3
2. Which of the following is illustrated by 1?
☐ A. Common carotid artery
☐ B. Internal carotid artery
☐ C. Internal jugular vein
☐ D. External carotid artery
3. Which number illustrates the hyoid bone?
☐ A. 1
☐ B. 5
☐ C. 4
☐ D. 3
4. Which of the following is illustrated by 3?
☐ A. Common carotid artery
☐ B. Internal carotid artery
☐ C. Internal jugular vein
☐ D. External carotid artery
5. Which number illustrates the internal carotid artery?
☐ A. 1
☐ B. 2
☐ C. 4
☐ D. 3

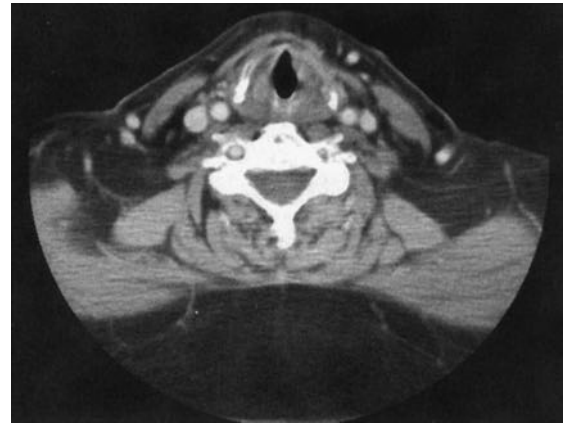


Figure 4-39

1. Which number illustrates the vocal cord?
☐ A. 5
☐ B. 7
☐ C. 8
☐ D. 1
2. Which of the following is illustrated by 5?
☐ A. Esophagus
☐ B. Thyroid cartilage
☐ C. Retropharynx
☐ D. Vocal cord
3. Which number illustrates the common carotid artery?
☐ A. 6
☐ B. 2
☐ C. 3
☐ D. 4
4. Which of the following is illustrated by 1?
☐ A. Vocal cord
☐ B. Glottic space
☐ C. Vallecule
☐ D. Infraglottic space
5. Which of the following is illustrated by 7?
☐ A. Hyoid bone
☐ B. Thyroid cartilage
☐ C. Cricoid cartilage
☐ D. Vocal cord

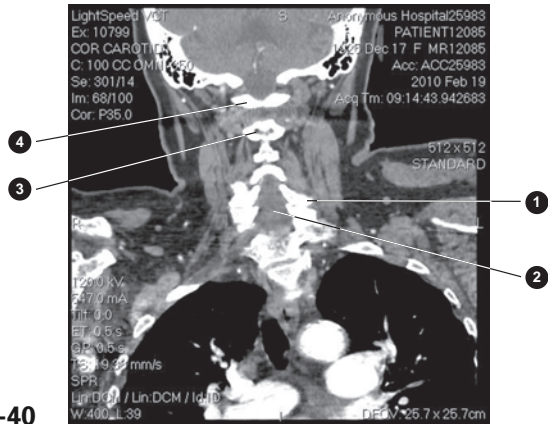


Figure 4-40

1. Which of the following is illustrated by 3?
 - ☐ A. Pedicle
 - ☐ B. Lamina
 - ☐ C. Transverse process
 - ☐ D. Spinous process
2. Which number illustrates the spinal canal?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 1?
 - ☐ A. Pedicle
 - ☐ B. Lamina
 - ☐ C. Transverse process
 - ☐ D. Spinous process
4. Which number illustrates the posterior arch of the atlas?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1

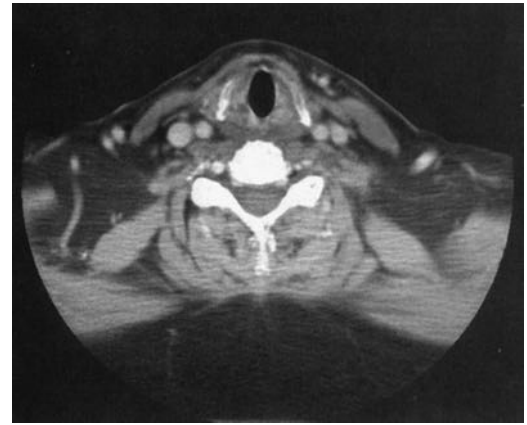
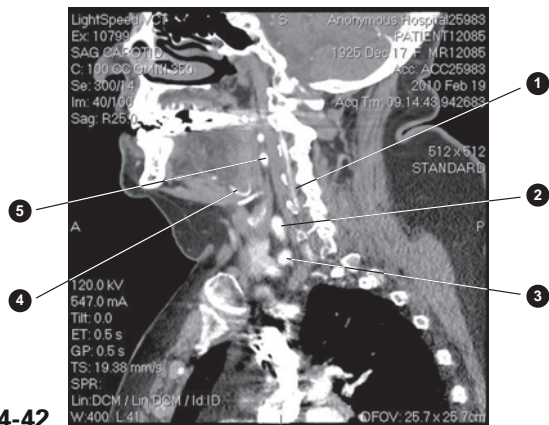
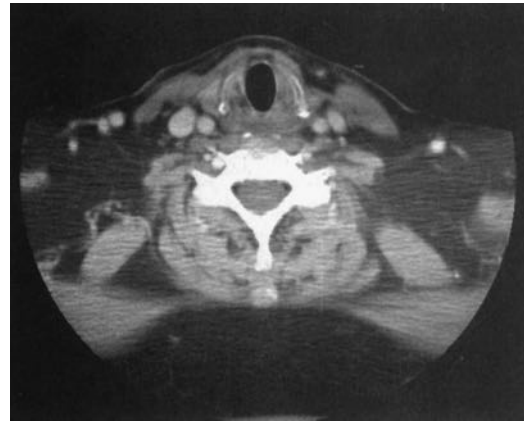


Figure 4-41

1. Which number illustrates the common carotid artery?
 - ☐ A. 3
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 5
2. Which of the following is illustrated by 2?
 - ☐ A. Trachea
 - ☐ B. Arytenoid cartilage
 - ☐ C. Cricoid cartilage
 - ☐ D. Thyroid cartilage
3. Which of the following is illustrated by 6?
 - ☐ A. Thyroid cartilage
 - ☐ B. Trachea
 - ☐ C. Esophagus
 - ☐ D. Laryngeal vestibule
4. Which number illustrates the internal jugular vein?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 3
5. Which of the following is illustrated by 1?
 - ☐ A. Trachea
 - ☐ B. Esophagus
 - ☐ C. Laryngeal vestibule
 - ☐ D. Laryngeal pharynx

**Figure 4-42**

1. Which of the following is illustrated by 2?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. Brachiocephalic artery
2. Which number illustrates the subclavian artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 3?
 - ☐ A. External carotid artery
 - ☐ B. Vertebral artery
 - ☐ C. Common carotid artery
 - ☐ D. Brachiocephalic artery
4. Which of the following is illustrated by 1?
 - ☐ A. Internal jugular vein
 - ☐ B. Sternocleidomastoid muscle
 - ☐ C. Internal carotid artery
 - ☐ D. External carotid artery
5. Which number illustrates the external carotid artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1

**Figure 4-43**

1. Which number illustrates the common carotid artery?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 3
2. Which of the following is illustrated by 6?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Retromandibular vein
 - ☐ D. Subclavian vein
3. Which of the following is illustrated by 2?
 - ☐ A. Thyroid cartilage
 - ☐ B. Cricoid cartilage
 - ☐ C. Arytenoid cartilage
 - ☐ D. Hyoid bone
4. Which of the following is illustrated by 4?
 - ☐ A. Trachea
 - ☐ B. Esophagus
 - ☐ C. Vallecula
 - ☐ D. Laryngeal pharynx
5. Which of the following is illustrated by 1?
 - ☐ A. Vallecula
 - ☐ B. Esophagus
 - ☐ C. Laryngeal pharynx
 - ☐ D. Trachea

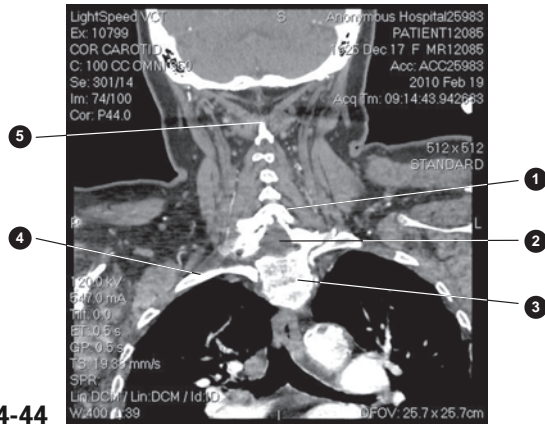


Figure 4-44

- Which of the following is illustrated by 5?
 - ☐ A. Pedicle
 - ☐ B. Lamina
 - ☐ C. Transverse process
 - ☐ D. Spinous process
- Which number illustrates the spinal canal?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
- Which of the following is illustrated by 1?
 - ☐ A. Pedicle
 - ☐ B. Lamina
 - ☐ C. Transverse process
 - ☐ D. Spinous process
- Which of the following is illustrated by 4?
 - ☐ A. Zygapophyseal joint
 - ☐ B. Intervertebral foramen
 - ☐ C. Spinal canal
 - ☐ D. First rib
- Which number illustrates the lamina?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1

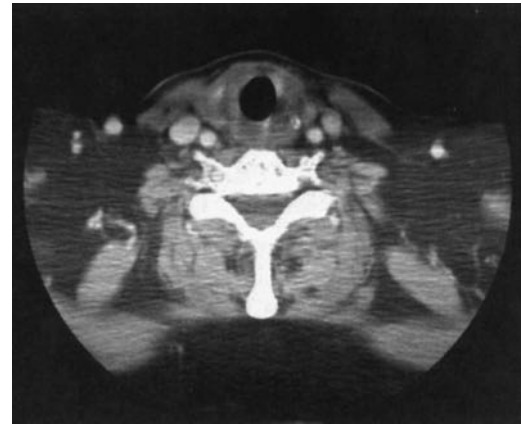


Figure 4-45

- Which number illustrates the internal jugular vein?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
- Which of the following is illustrated by 1?
 - ☐ A. External jugular vein
 - ☐ B. Internal jugular vein
 - ☐ C. Vertebral vein
 - ☐ D. Common carotid artery
- Which number illustrates the external jugular vein?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 5
- Which of the following is illustrated by 6?
 - ☐ A. Infraglottic space
 - ☐ B. Glottic space
 - ☐ C. Trachea
 - ☐ D. Laryngeal vestibule
- Which of the following is illustrated by 3?
 - ☐ A. Trachea
 - ☐ B. Laryngeal vestibule
 - ☐ C. Laryngeal pharynx
 - ☐ D. Esophagus

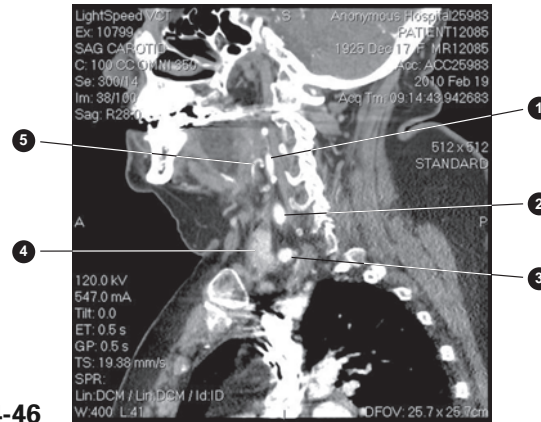


Figure 4-46

1. Which of the following is illustrated by 2?
 - ☐ A. Common carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Internal jugular vein
 - ☐ D. Brachiocephalic artery
2. Which number illustrates the subclavian artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 1?
 - ☐ A. Internal carotid artery
 - ☐ B. Vertebral artery
 - ☐ C. Common carotid artery
 - ☐ D. Brachiocephalic artery
4. Which of the following is illustrated by 4?
 - ☐ A. Submandibular gland
 - ☐ B. Sternocleidomastoid muscle
 - ☐ C. Thyroid gland
 - ☐ D. External jugular vein
5. Which number illustrates the external carotid artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 1

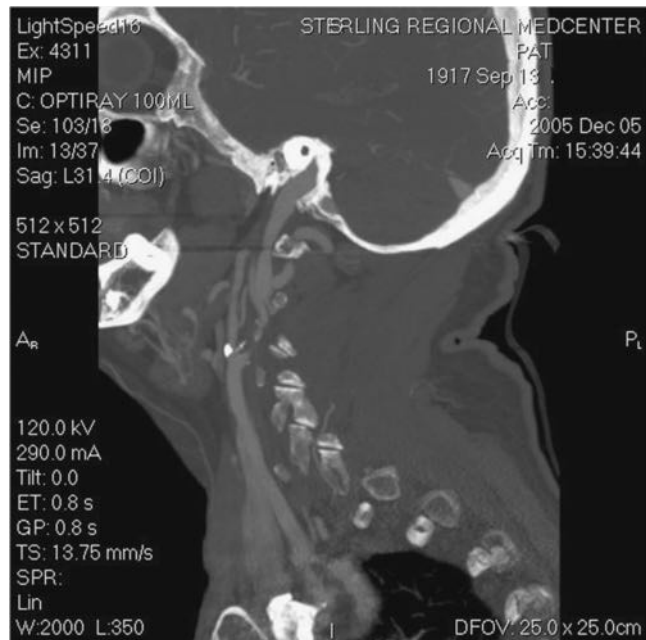
CLINICAL APPLICATIONS

1. C2 is also called the _____.
2. Which of the following vertebrae is described as not having a vertebral body?
☐ A. Thoracic
☐ B. Axis
☐ C. C3 through C6
☐ D. Atlas
3. Which of the following is described as a ring-shaped cartilage forming part of the larynx?
☐ A. Arytenoid
☐ B. Thyroid
☐ C. Cricoid
☐ D. Epiglottis
4. The vestibular folds are located superior to the vocal folds.
True or false
5. The left vertebral artery originates from which of the following?
☐ A. Aortic arch
☐ B. Axillary artery
☐ C. Subclavian artery
☐ D. Common carotid artery
6. Describe the glottic space.

7. The aryepiglottic folds are also known as the false vocal cords.
True or false
8. Which of the following vessels is located most anteriorly in the upper neck?
☐ A. External carotid artery
☐ B. Internal carotid artery
☐ C. Internal jugular vein
☐ D. Vertebral artery
9. The U-shaped _____ gland is located just below the larynx and has two large lobes on either side of the upper trachea.
10. The external jugular veins drain into the _____ veins on either side of the neck.

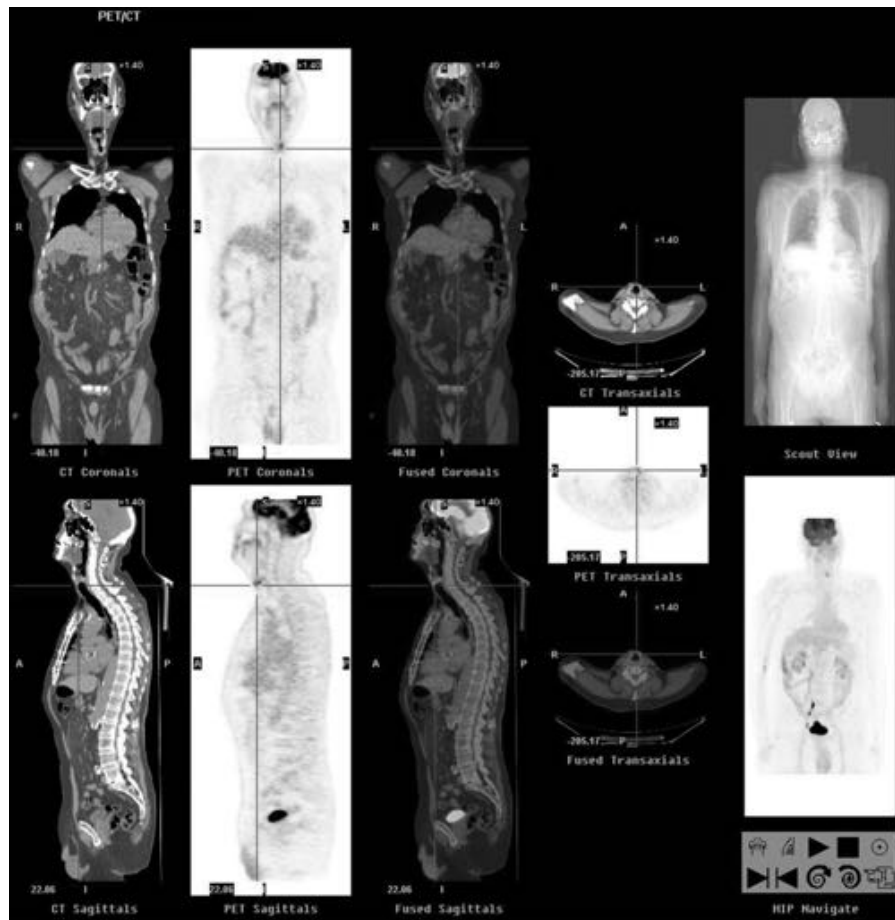
CLINICAL CORRELATIONS

Clinical Case 4-1



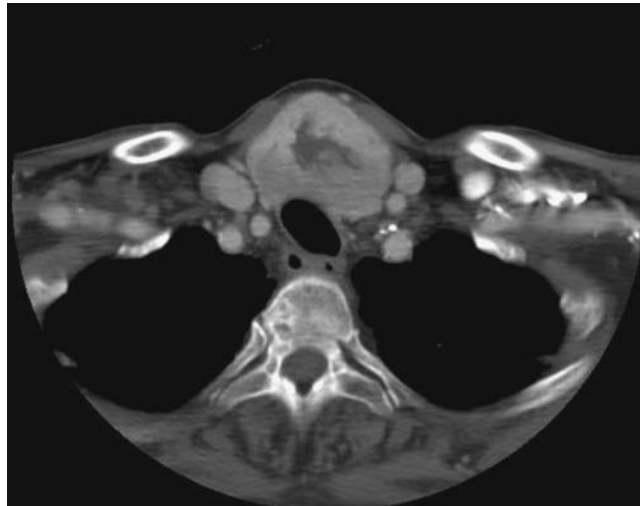
- In the image above, which of the following best describes the location of the largest blockage?
 - ☐ A. Origin of the external carotid artery
 - ☐ B. Origin of the internal carotid artery
 - ☐ C. Origin of the right common iliac artery
 - ☐ D. Origin of the left common iliac artery
- In this patient, the plaque causing greater arterial stenosis is found on which side?
 - ☐ A. Right
 - ☐ B. Left
- In the sagittal image, which of the following vessels is shown entering the base of the skull?
 - ☐ A. External carotid artery
 - ☐ B. Internal carotid artery
 - ☐ C. Right common iliac artery
 - ☐ D. Left common iliac artery
- Is the arterial blood flow within the vertebral artery demonstrated in any of the images above?
 - ☐ A. No
 - ☐ B. Yes
- Is the arterial blood flow within the external carotid artery demonstrated in any of the images above?
 - ☐ A. No
 - ☐ B. Yes

Clinical Case 4-2



- Which of the following best describes the location of the mass marked above?
 - ☐ A. Retropharynx
 - ☐ B. Oropharynx
 - ☐ C. Laryngopharynx
 - ☐ D. Larynx
- In this patient, is the mass located on the right or left side?
 - ☐ A. Right
 - ☐ B. Left
- Which of the following best describes the position of the mass as compared to the cricoid cartilage?
 - ☐ A. Superior
 - ☐ B. Inferior
 - ☐ C. Lateral
 - ☐ D. Medial
- The vocal cords extend between which of the following cartilage structures?
 - ☐ A. Thyroid to the cricoid
 - ☐ B. Cricoid to the epiglottis
 - ☐ C. Thyroid to the arytenoid
 - ☐ D. Arytenoid to the cricoid
- Which of the following best describes the position of the mass as compared to the epiglottis?
 - ☐ A. Superior
 - ☐ B. Inferior
 - ☐ C. Lateral
 - ☐ D. Medial

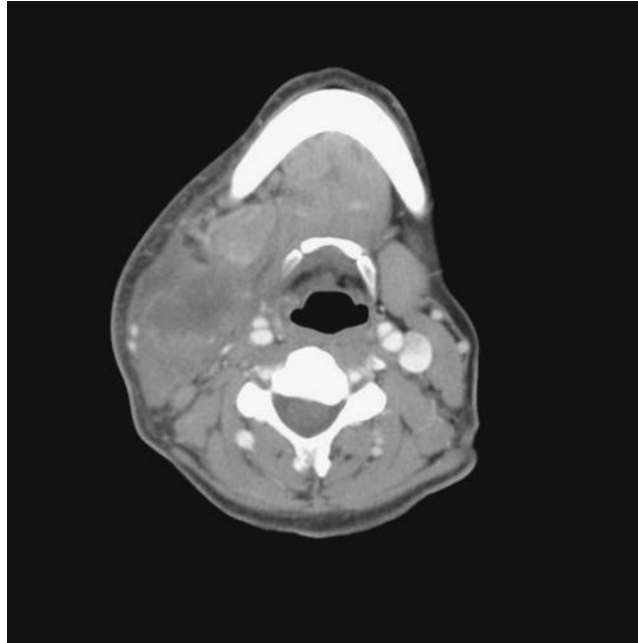
Clinical Case 4-3



1. Describe the location of the thyroid adenoma in this axial computed tomography (CT) image.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 4-4

1. Describe the location of the mass in this axial CT section through the level of the hyoid bone.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 4-5

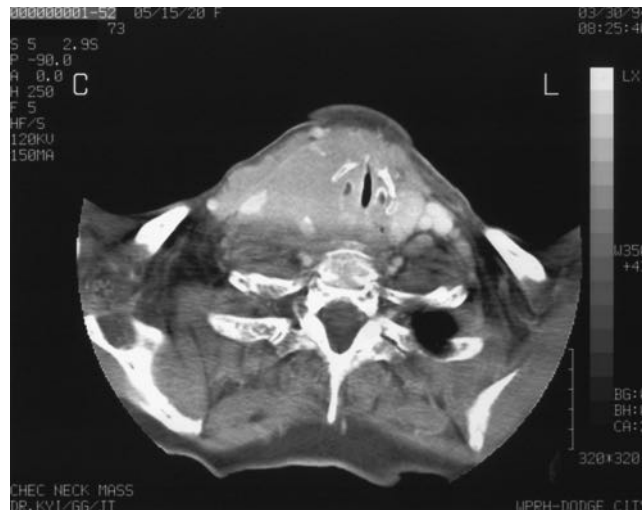


1. Describe the location of the carcinoma shown in the coronal (left) and sagittal (right) T2-weighted magnetic resonance (MR) images of this 43-year-old man.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 4-6

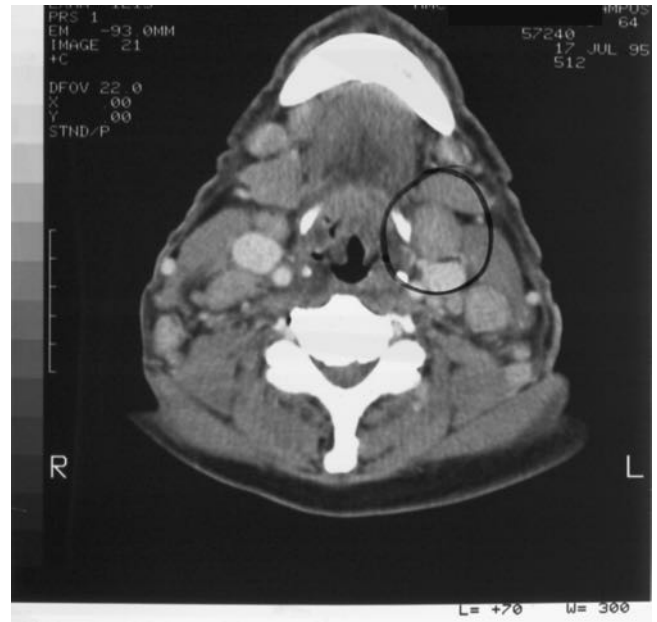


1. Describe the location of the lymphoma shown in this axial CT image of a 73-year-old woman.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 4-7

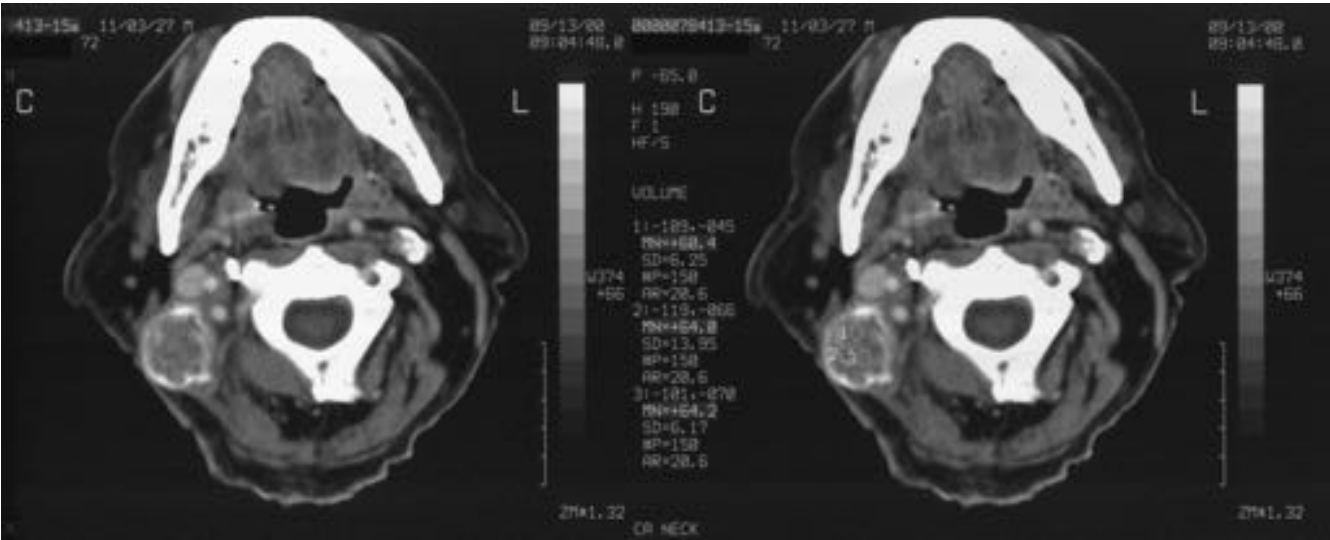


1. Describe the location of the adenopathy (enlarged lymph nodes circled) shown in the axial CT images following the administration of contrast to this 64-year-old patient previously diagnosed with Hodgkin disease.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 4-8



1. Describe the location of the parotid carcinoma in these contrast-enhanced axial CT sections through the neck at the level of the lower mandible in this 72-year-old man.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

CHAPTER
5

Chest

LABELING EXERCISES

Fill in the blanks with the appropriate label.

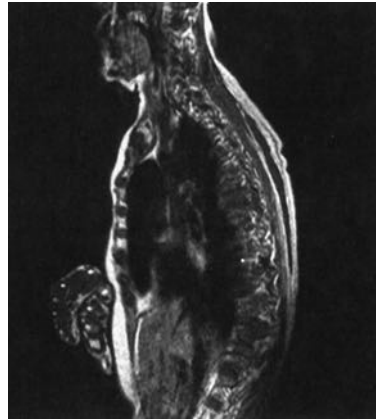
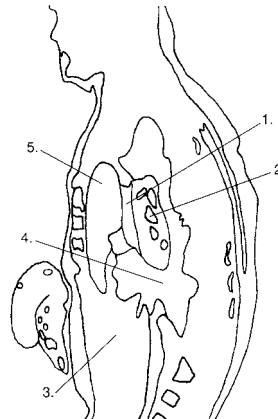
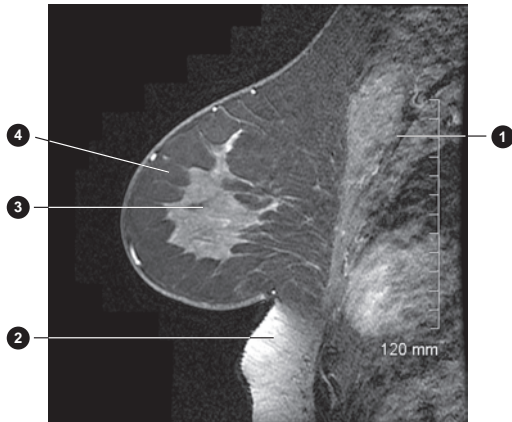


Figure 5-1



1. Which of the following is illustrated by 4?
 - ☐ A. Liver
 - ☐ B. Right lung lower lobe
 - ☐ C. Left lung lower lobe
 - ☐ D. Hilar region
2. Which of the following is illustrated by 2?
 - ☐ A. Aortic arch
 - ☐ B. Superior vena cava
 - ☐ C. Hilar region
 - ☐ D. Heart
3. What number illustrates the upper lobe of the lung?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 3?
 - ☐ A. Stomach
 - ☐ B. Liver
 - ☐ C. Right lung lower lobe
 - ☐ D. Left lung lower lobe
5. What number illustrates the superior vena cava?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 2

**Figure 5-2**

1. Which of the following is illustrated by 4?
 - ☐ A. Stromata
 - ☐ B. Major ducts and vascular tissues
 - ☐ C. Subcutaneous fat
 - ☐ D. Pectoralis major
2. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Stromata
3. What number illustrates the pectoralis major?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 3?
 - ☐ A. Stromata
 - ☐ B. Liver
 - ☐ C. Major ducts and vascular tissues
 - ☐ D. Left lung lower lobe
5. What number illustrates the stromata?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 2

**Figure 5-3**

1. Which of the following is illustrated by 2?
 - ☐ A. Superior vena cava
 - ☐ B. Right pulmonary artery
 - ☐ C. Right pulmonary vein
 - ☐ D. Wall of the aortic arch
2. What number illustrates the inferior vena cava?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 3?
 - ☐ A. Right pulmonary artery
 - ☐ B. Right pulmonary vein
 - ☐ C. Right atrium
 - ☐ D. Superior vena cava
4. What number illustrates the wall of the aortic arch?
 - ☐ A. 9
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 1
5. Which of the following is illustrated by 4?
 - ☐ A. Liver
 - ☐ B. Right atrium
 - ☐ C. Right lung lower lobe
 - ☐ D. Inferior vena cava

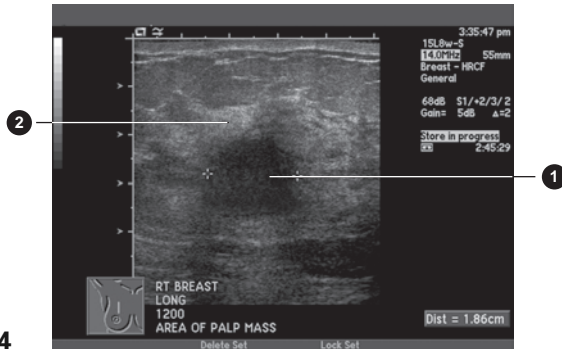


Figure 5-4

1. Which of the following is illustrated by 1?
 - ☐ A. Stromata
 - ☐ B. Major ducts and vascular tissues
 - ☐ C. Lesion
 - ☐ D. Pectoralis major
2. What number illustrates the stromata?
 - ☐ A. Both 1 & 2
 - ☐ B. 1
 - ☐ C. None of the above
 - ☐ D. 2

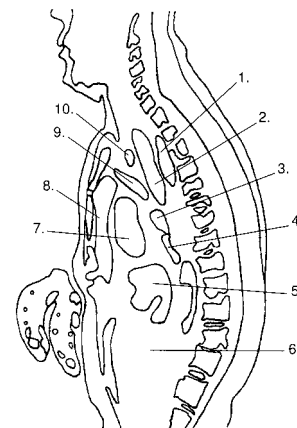
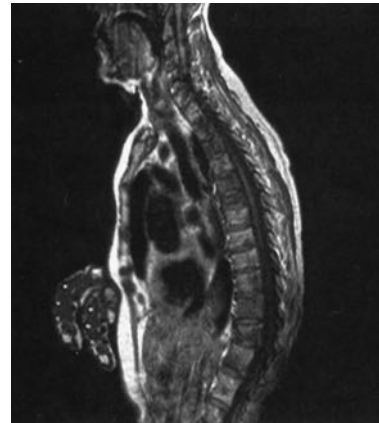
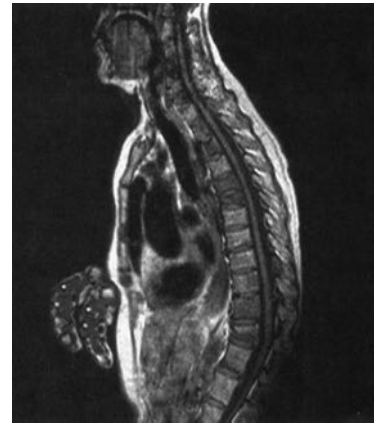


Figure 5-5

1. Which of the following is illustrated by 2?
 - ☐ A. Esophagus
 - ☐ B. Brachiocephalic artery
 - ☐ C. Trachea
 - ☐ D. Left brachiocephalic vein
2. What number illustrates the right lung upper lobe?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 8
 - ☐ D. 9
3. Which of the following is illustrated by 10?
 - ☐ A. Left brachiocephalic vein
 - ☐ B. Right brachiocephalic vein
 - ☐ C. Brachiocephalic artery
 - ☐ D. Left subclavian artery
4. Which of the following is illustrated by 4?
 - ☐ A. Right pulmonary artery
 - ☐ B. Left atrium
 - ☐ C. Right atrium
 - ☐ D. Left ventricle
5. What number illustrates the left brachiocephalic vein?
 - ☐ A. 10
 - ☐ B. 2
 - ☐ C. 9
 - ☐ D. 1

**Figure 5-6**

1. Which of the following is illustrated by 3?
 - ☐ A. Stromata
 - ☐ B. Lymph nodes and vascular tissues
 - ☐ C. Fibrous and ductal tissues
 - ☐ D. Pectoralis major
2. Which of the following is illustrated by 4?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Stromata
3. What number illustrates the pectoralis major?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. What number illustrates the lesion?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 2

**Figure 5-7**

1. Which of the following is illustrated by 7?
 - ☐ A. Brachiocephalic artery
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Aortic arch
 - ☐ D. Pulmonary artery
2. Which of the following is illustrated by 6?
 - ☐ A. Right pulmonary artery
 - ☐ B. Left atrium
 - ☐ C. Aortic arch
 - ☐ D. Left brachiocephalic vein
3. What number illustrates the brachiocephalic artery?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 3
 - ☐ D. 2
4. Which of the following is illustrated by 5?
 - ☐ A. Right pulmonary artery
 - ☐ B. Left atrium
 - ☐ C. Right atrium
 - ☐ D. Aortic arch
5. What number illustrates the right pulmonary artery?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4

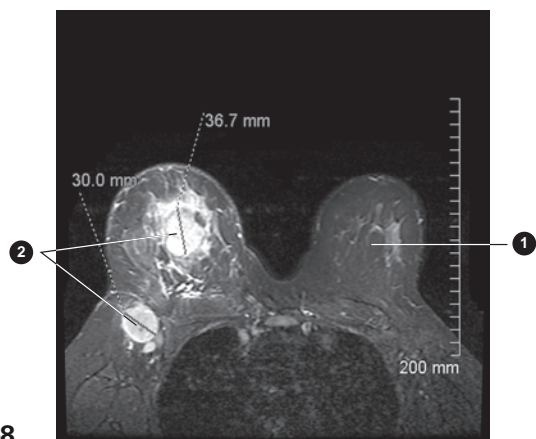


Figure 5-8

1. Which of the following is illustrated by 1?
 - ☐ A. Lesions
 - ☐ B. Major ducts and vascular tissues
 - ☐ C. Fibrous and ductal tissues
 - ☐ D. Normal breast tissue
2. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Lesions
 - ☐ C. Subcutaneous fat
 - ☐ D. Stromata

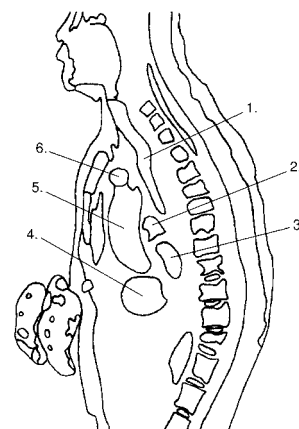


Figure 5-9

1. What number illustrates the right ventricle?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 2
2. Which of the following is illustrated by 6?
 - ☐ A. Right pulmonary artery
 - ☐ B. Brachiocephalic artery
 - ☐ C. Aortic arch
 - ☐ D. Left brachiocephalic vein
3. Which of the following is illustrated by 5?
 - ☐ A. Left atrium
 - ☐ B. Right atrium
 - ☐ C. Aortic arch
 - ☐ D. Right ventricle
4. What number illustrates the right pulmonary artery?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3
5. Which of the following is illustrated by 3?
 - ☐ A. Right ventricle
 - ☐ B. Left atrium
 - ☐ C. Aortic arch
 - ☐ D. Right atrium

**Figure 5-10**

1. Which of the following is illustrated by 4?
 - ☐ A. Stromata
 - ☐ B. Adipose tissue
 - ☐ C. Fibrous and ductal tissues
 - ☐ D. Pectoralis major
2. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Lesions
3. What number illustrates the lesions in axilla?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 5?
 - ☐ A. Fibrous and ductal tissues
 - ☐ B. Fibrous or vascular tissue near lesion
 - ☐ C. Stromata
 - ☐ D. Right lung lower lobe
5. What number illustrates the pectoralis major?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 2

**Figure 5-11**

1. Which of the following is illustrated by 5?
 - ☐ A. Pleural cavity
 - ☐ B. Right atrium
 - ☐ C. Aortic arch
 - ☐ D. Left atrium
2. What number illustrates the left bronchus?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
3. What number illustrates the pleural cavity?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Left bronchus
 - ☐ B. Right pulmonary artery
 - ☐ C. Left atrium
 - ☐ D. Aortic arch
5. Which of the following is illustrated by 3?
 - ☐ A. Pleural cavity
 - ☐ B. Right ventricle
 - ☐ C. Left atrium
 - ☐ D. Aortic arch

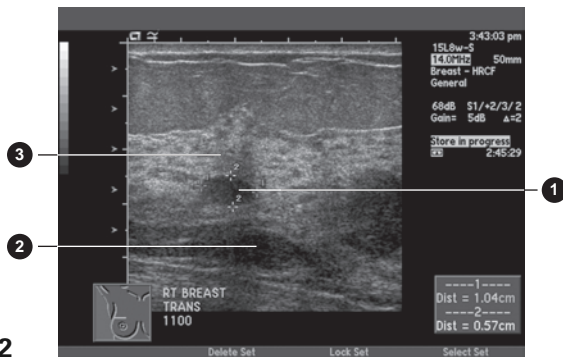


Figure 5-12

1. Which of the following is illustrated by 1?
 - ☐ A. Stromata
 - ☐ B. Irregular lesion in right upper quadrant
 - ☐ C. Pectoralis major
 - ☐ D. Irregular lesion in left upper quadrant
2. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Stromata
3. What number illustrates the normal fat and ligaments within the breast?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5
4. What number illustrates the subcutaneous fat?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. Both of the above
 - ☐ D. None of the above

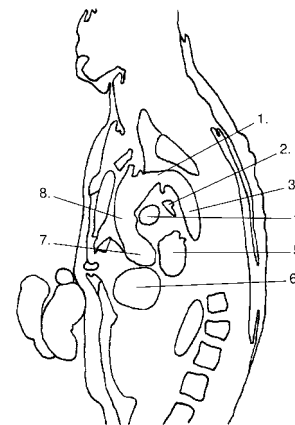
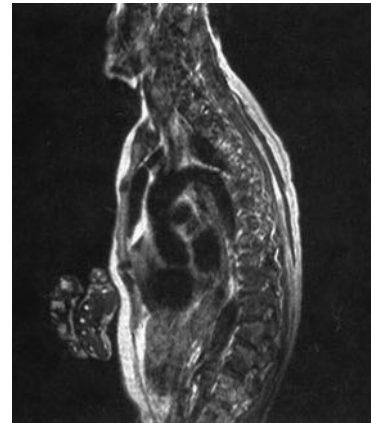


Figure 5-13

1. Which of the following is illustrated by 3?
 - ☐ A. Aortic arch
 - ☐ B. Left bronchus
 - ☐ C. Descending aorta
 - ☐ D. Pulmonary artery
2. What number illustrates the aortic arch?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
3. Which of the following is illustrated by 7?
 - ☐ A. Left atrium
 - ☐ B. Right ventricle
 - ☐ C. Left ventricle
 - ☐ D. Ascending aorta
4. Which of the following is illustrated by 4?
 - ☐ A. Left bronchus
 - ☐ B. Descending aorta
 - ☐ C. Pulmonary artery
 - ☐ D. Left atrium
5. What number illustrates the ascending aorta?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 8

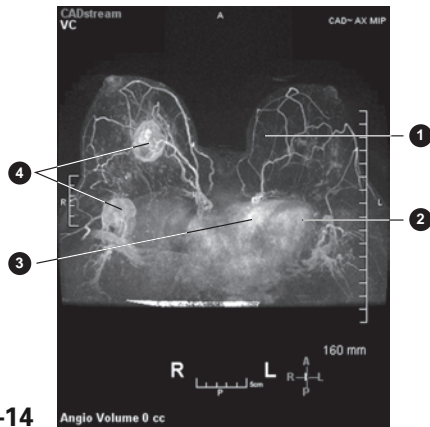


Figure 5-14

1. Which of the following is illustrated by 2?
 - ☐ A. Lesion in breast
 - ☐ B. Normal breast enhancement
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
2. Which of the following is illustrated by 3?
 - ☐ A. Lesion in breast
 - ☐ B. Normal breast enhancement
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
3. What number illustrates the gadolinium uptake to clearly show lesions?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 4?
 - ☐ A. Fibrous and ductal tissues
 - ☐ B. Fibrous or vascular tissue near lesion
 - ☐ C. Lesions in breast
 - ☐ D. Right ventricle
5. What number illustrates the normal breast enhancement?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 2

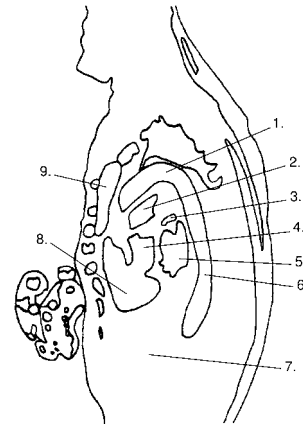
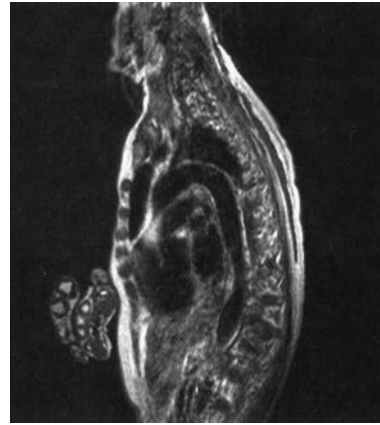
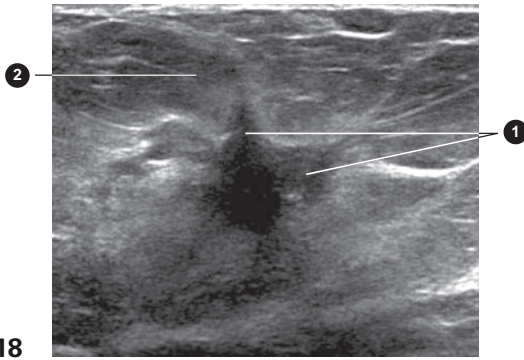


Figure 5-15

1. Which of the following is illustrated by 2?
 - ☐ A. Aortic arch
 - ☐ B. Pulmonary trunk
 - ☐ C. Right atrium
 - ☐ D. Left atrium
2. What number illustrates the right ventricle?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 5
3. Which of the following is illustrated by 5?
 - ☐ A. Aortic arch
 - ☐ B. Left ventricle
 - ☐ C. Right ventricle
 - ☐ D. Left atrium
4. Which of the following is illustrated by 3?
 - ☐ A. Left bronchus
 - ☐ B. Left ventricle
 - ☐ C. Left atrium
 - ☐ D. Pulmonary trunk
5. What number illustrates the left ventricle?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 8

**Figure 5-18**

1. Which of the following is illustrated by 1?
 - ☐ A. Stromata
 - ☐ B. Slow growing lesion
 - ☐ C. Fast growing lesion
 - ☐ D. Pectoralis major
2. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Stromata
3. What number illustrates the pectoralis major?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. Both 1 & 2
 - ☐ D. None of the above
4. What number illustrates the axilla?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. both 1 & 2
 - ☐ D. None of the above

**Figure 5-19**

1. Which of the following is illustrated by 9?
 - ☐ A. Right internal jugular vein
 - ☐ B. Left subclavian vein
 - ☐ C. Left vertebral artery
 - ☐ D. Right common carotid artery
2. What number illustrates the first rib?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 3
3. Which of the following is illustrated by 8?
 - ☐ A. Left subclavian vein
 - ☐ B. Left subclavian artery
 - ☐ C. Left vertebral artery
 - ☐ D. Left axillary vein
4. Which of the following is illustrated by 7?
 - ☐ A. Glenoid process of scapula
 - ☐ B. First rib
 - ☐ C. Second rib
 - ☐ D. Head of the humerus
5. What number illustrates the right common carotid artery?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 2
 - ☐ D. 10

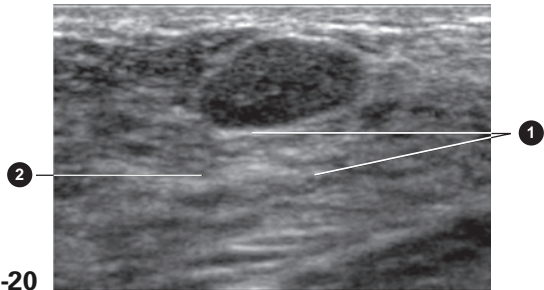


Figure 5-20

1. Which of the following is illustrated by 1?
 - ☐ A. Stromata
 - ☐ B. Slow growing lesion
 - ☐ C. Fast growing lesion
 - ☐ D. Pectoralis major
2. What number illustrates the axilla?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. Both 1 & 2
 - ☐ D. None of the above
3. What number illustrates the fast growing lesion?
 - ☐ A. Both 1 & 2
 - ☐ B. 1
 - ☐ C. None of the above
 - ☐ D. 2
4. What number illustrates the pectoralis major?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. Both 1 & 2
 - ☐ D. None of the above
5. Which of the following is illustrated by 2?
 - ☐ A. Major ducts and vascular tissues
 - ☐ B. Pectoralis major
 - ☐ C. Subcutaneous fat
 - ☐ D. Normal breast tissue

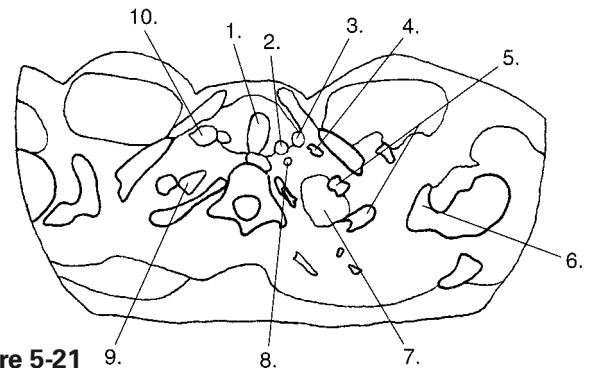
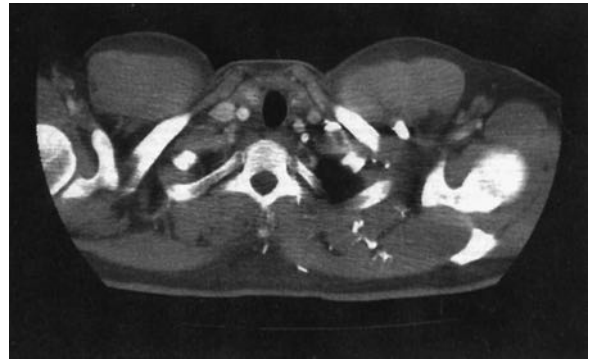
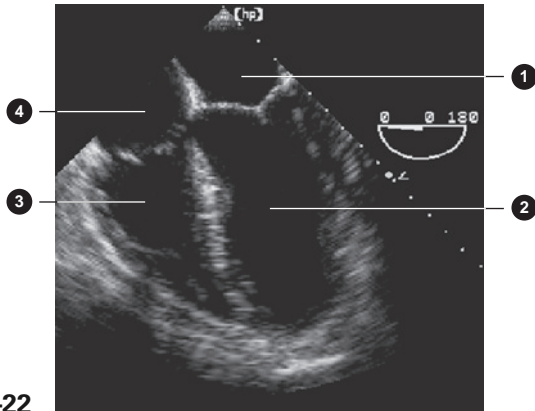
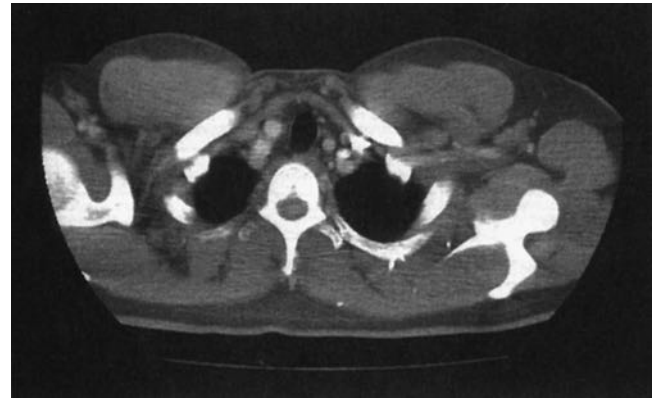


Figure 5-21

1. Which of the following is illustrated by 9?
 - ☐ A. Axillary vein
 - ☐ B. Upper lobe of left lung
 - ☐ C. Upper lobe of right lung
 - ☐ D. Internal jugular vein
2. What number illustrates the coracoid process of the scapula?
 - ☐ A. 9
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 1
3. What number illustrates the left vertebral artery?
 - ☐ A. 2
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 3
4. Which of the following is illustrated by 4?
 - ☐ A. Left internal jugular vein
 - ☐ B. Left common carotid artery
 - ☐ C. Left axillary artery
 - ☐ D. Left subclavian vein
5. Which of the following is illustrated by 2?
 - ☐ A. Left common carotid artery
 - ☐ B. Trachea
 - ☐ C. Left subclavian vein
 - ☐ D. Left vertebral artery

**Figure 5-22**

1. Which of the following is illustrated by 4?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
2. Which of the following is illustrated by 2?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
3. What number illustrates the left atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2
4. Which of the following is illustrated by 3?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle

**Figure 5-23**

1. Which of the following is illustrated by 2?
 - ☐ A. Left common carotid artery
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Left axillary artery
 - ☐ D. Left vertebral artery
2. What number illustrates the left axillary artery?
 - ☐ A. 3
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 5
3. Which of the following is illustrated by 6?
 - ☐ A. Left subclavian artery
 - ☐ B. Left subclavian vein
 - ☐ C. Left vertebral artery
 - ☐ D. Left common carotid artery
4. What number illustrates the right common carotid artery?
 - ☐ A. 9
 - ☐ B. 10
 - ☐ C. 1
 - ☐ D. 8
5. Which of the following is illustrated by 1?
 - ☐ A. Left brachiocephalic vein
 - ☐ B. Left vertebral artery
 - ☐ C. Left subclavian artery
 - ☐ D. Left common carotid artery

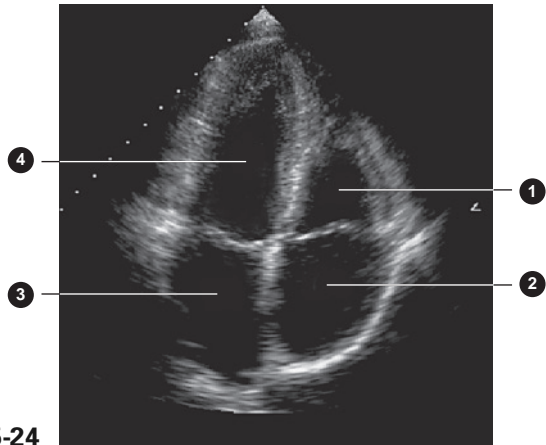


Figure 5-24

1. Which of the following is illustrated by 2?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
2. Which of the following is illustrated by 4?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle
3. What number illustrates the left atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 1?
 - ☐ A. Right atrium
 - ☐ B. Left atrium
 - ☐ C. Right ventricle
 - ☐ D. Left ventricle

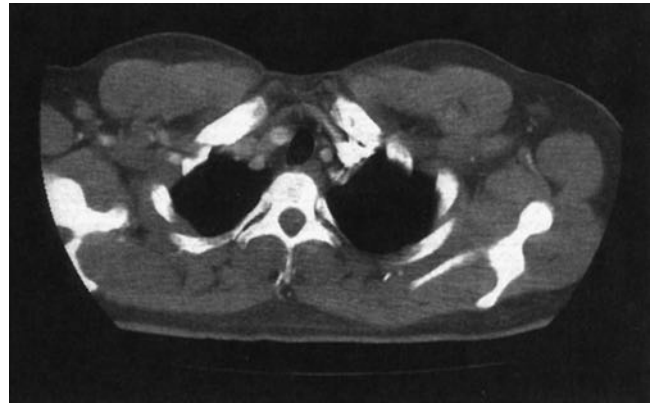


Figure 5-25

1. Which of the following is illustrated by 2?
 - ☐ A. Left clavicle
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Left subclavian artery
 - ☐ D. Left common carotid artery
2. What number illustrates the origin of the right common carotid artery?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 4
3. Which of the following is illustrated by 1?
 - ☐ A. Left clavicle
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Left subclavian artery
 - ☐ D. Left common carotid artery
4. Which of the following is illustrated by 6?
 - ☐ A. Origin of the right vertebral artery
 - ☐ B. Origin of the right common carotid artery
 - ☐ C. Origin of the right subclavian artery
 - ☐ D. Right brachiocephalic vein
5. What number illustrates the left common carotid artery?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 3

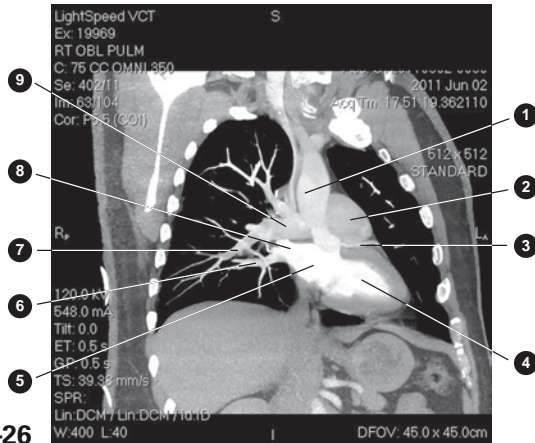


Figure 5-26

- Which of the following is illustrated by 6?
 - ☐ A. Right pulmonary artery
 - ☐ B. Right lower pulmonary vein
 - ☐ C. Left coronary artery
 - ☐ D. Ascending aorta
- Which of the following is illustrated by 2?
 - ☐ A. Pulmonary trunk
 - ☐ B. Left atrium
 - ☐ C. Ascending aorta
 - ☐ D. Left ventricle
- What number illustrates the left atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
- Which of the following is illustrated by 9?
 - ☐ A. Right atrium
 - ☐ B. Left coronary artery
 - ☐ C. Right pulmonary artery
 - ☐ D. Left ventricle
- What number illustrates the right pulmonary vein?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 8

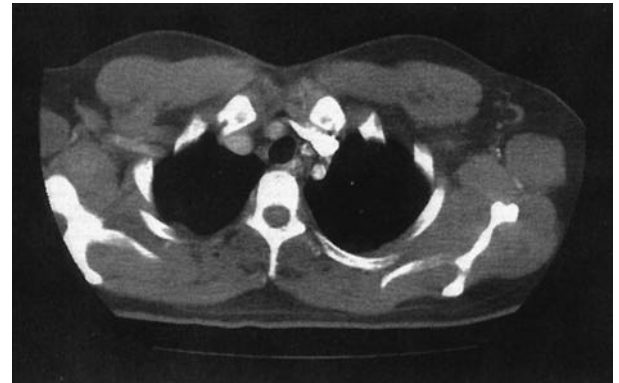


Figure 5-27

- What number illustrates the brachiocephalic artery?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 8
- Which of the following is illustrated by 6?
 - ☐ A. Left subclavian artery
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Right brachiocephalic vein
- Which of the following is illustrated by 4?
 - ☐ A. Left common carotid artery
 - ☐ B. Left subclavian artery
 - ☐ C. Left vertebral artery
 - ☐ D. Left axillary artery
- What number illustrates the left brachiocephalic vein?
 - ☐ A. 2
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 4
- Which of the following is illustrated by 7?
 - ☐ A. Left brachiocephalic vein
 - ☐ B. Right subclavian vein
 - ☐ C. Brachiocephalic artery
 - ☐ D. Right brachiocephalic vein

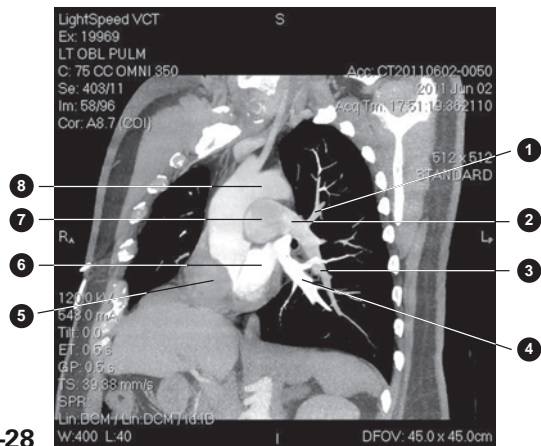


Figure 5-28

- Which of the following is illustrated by 3?
 - ☐ A. Left lower pulmonary artery
 - ☐ B. Right atrium
 - ☐ C. Left lower pulmonary vein
 - ☐ D. Ascending aorta
- Which of the following is illustrated by 2?
 - ☐ A. Left pulmonary artery
 - ☐ B. Right atrium
 - ☐ C. Left lower pulmonary vein
 - ☐ D. Ascending aorta
- What number illustrates the left atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 6
- Which of the following is illustrated by 7?
 - ☐ A. Left atrium
 - ☐ B. Left coronary artery
 - ☐ C. Pulmonary trunk
 - ☐ D. Left pulmonary artery
- What number illustrates the aortic arch?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 8



Figure 5-29

- Which of the following is illustrated by 6?
 - ☐ A. Left subclavian artery
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Left common carotid artery
- What number illustrates the right brachiocephalic vein?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 9
- Which of the following is illustrated by 1?
 - ☐ A. Clavicle
 - ☐ B. Trachea
 - ☐ C. Left brachiocephalic vein
 - ☐ D. Manubrium
- Which of the following is illustrated by 4?
 - ☐ A. Left subclavian vein
 - ☐ B. Subclavian artery
 - ☐ C. Left common carotid artery
 - ☐ D. Left brachiocephalic vein
- What number illustrates the brachiocephalic artery?
 - ☐ A. 9
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 4

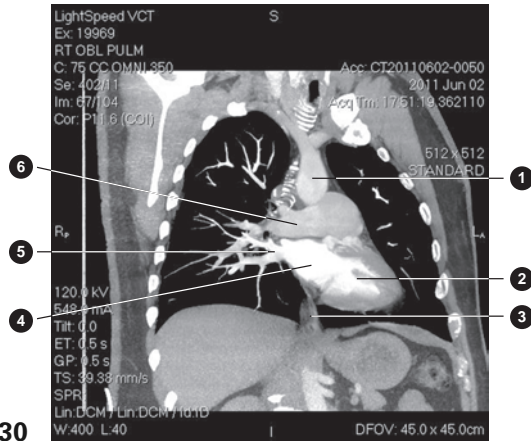


Figure 5-30

1. Which of the following is illustrated by 4?
 - ☐ A. Right pulmonary artery
 - ☐ B. Arch of the aorta
 - ☐ C. Left atrium
 - ☐ D. Right pulmonary vein
2. Which of the following is illustrated by 2?
 - ☐ A. Left ventricle
 - ☐ B. Left atrium
 - ☐ C. Right lower pulmonary vein
 - ☐ D. Arch of the aorta
3. Which number illustrates the esophagus?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 6?
 - ☐ A. Left atrium
 - ☐ B. Left coronary artery
 - ☐ C. Right pulmonary artery
 - ☐ D. Left pulmonary artery
5. What number illustrates the aortic arch?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 1



Figure 5-31

1. What number illustrates the left brachiocephalic vein?
 - ☐ A. 2
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 4
2. Which of the following is illustrated by 5?
 - ☐ A. Left common carotid artery
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Manubrium
3. Which of the following is illustrated by 4?
 - ☐ A. Left vertebral artery
 - ☐ B. Brachiocephalic artery
 - ☐ C. Left subclavian artery
 - ☐ D. Left common carotid artery
4. What number illustrates the brachiocephalic artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 7
5. Which of the following is illustrated by 6?
 - ☐ A. Right brachiocephalic vein
 - ☐ B. Esophagus
 - ☐ C. Trachea
 - ☐ D. Right internal jugular vein

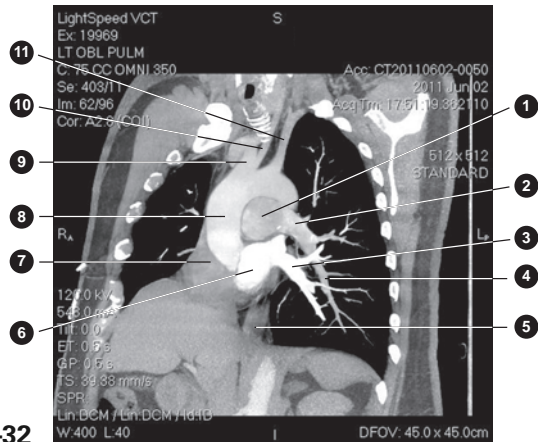


Figure 5-32

1. Which of the following is illustrated by 3?
 - ☐ A. Left lower pulmonary artery
 - ☐ B. Right atrium
 - ☐ C. Left lower pulmonary vein
 - ☐ D. Ascending aorta
2. Which of the following is illustrated by 2?
 - ☐ A. Left pulmonary artery
 - ☐ B. Right atrium
 - ☐ C. Left lower pulmonary vein
 - ☐ D. Ascending aorta
3. What number illustrates the left atrium?
 - ☐ A. 7
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 6
4. Which of the following is illustrated by 7?
 - ☐ A. Left atrium
 - ☐ B. Left coronary artery
 - ☐ C. Right atrium
 - ☐ D. Left pulmonary artery
5. What number illustrates the ascending aorta?
 - ☐ A. 7
 - ☐ B. 1
 - ☐ C. 9
 - ☐ D. 8



Figure 5-33

1. Which of the following is illustrated by 2?
 - ☐ A. Trachea
 - ☐ B. Vertebral artery
 - ☐ C. Aortic arch
 - ☐ D. Esophagus
2. What number illustrates the right brachiocephalic vein?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 2
3. What number illustrates the aortic arch?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2
4. Which of the following is illustrated by 5?
 - ☐ A. Aortic arch
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Brachiocephalic artery
 - ☐ D. Right brachiocephalic vein
5. Which of the following is illustrated by 3?
 - ☐ A. Aortic arch
 - ☐ B. Trachea
 - ☐ C. Esophagus
 - ☐ D. Left main bronchus

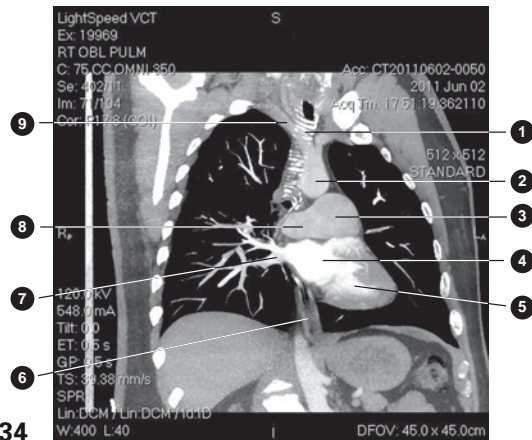


Figure 5-34

1. Which of the following is illustrated by 4?
 - ☐ A. Right lower pulmonary artery
 - ☐ B. Right lower pulmonary vein
 - ☐ C. Left atrium
 - ☐ D. Left lower pulmonary artery
2. Which of the following is illustrated by 8?
 - ☐ A. Left ventricle
 - ☐ B. Left atrium
 - ☐ C. Right lower pulmonary vein
 - ☐ D. Right pulmonary artery
3. What number illustrates the left ventricle?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 7
4. Which of the following is illustrated by 3?
 - ☐ A. Left atrium
 - ☐ B. Right atrium
 - ☐ C. Right pulmonary artery
 - ☐ D. Pulmonary trunk
5. What number illustrates the aortic arch?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 8

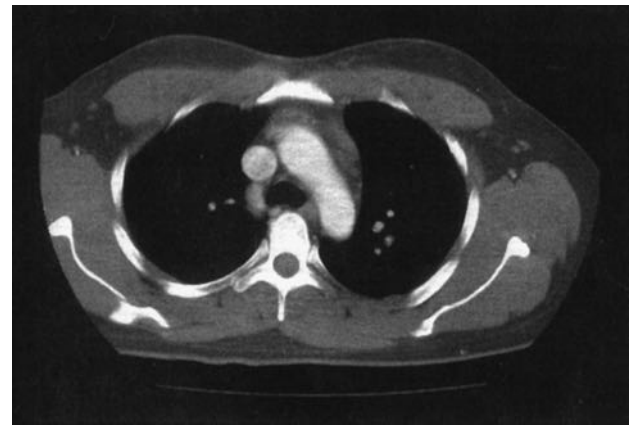


Figure 5-35

1. What number illustrates the azygos arch?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 2
 - ☐ D. 1
2. Which of the following is illustrated by 3?
 - ☐ A. Esophagus
 - ☐ B. Vertebral body
 - ☐ C. Trachea
 - ☐ D. Azygos arch
3. Which of the following is illustrated by 5?
 - ☐ A. Pedicle
 - ☐ B. Lamina
 - ☐ C. Spinous process
 - ☐ D. Transverse process
4. What number illustrates the transverse process?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 1
5. Which of the following is illustrated by 8?
 - ☐ A. Inferior vena cava
 - ☐ B. Ascending aorta
 - ☐ C. Azygos arch
 - ☐ D. Superior vena cava

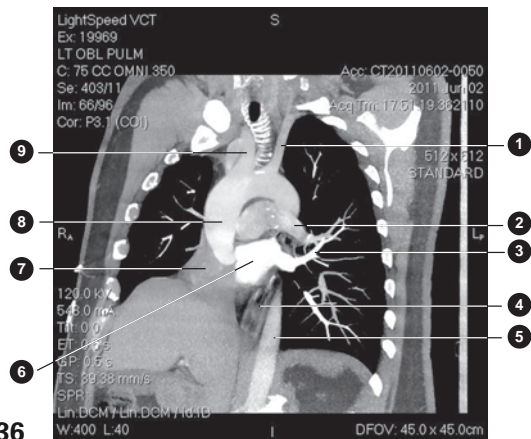


Figure 5-36

1. Which of the following is illustrated by 6?
 - ☐ A. Right lower pulmonary artery
 - ☐ B. Right lower pulmonary vein
 - ☐ C. Left atrium
 - ☐ D. Left lower pulmonary artery
2. Which of the following is illustrated by 2?
 - ☐ A. Left ventricle
 - ☐ B. Left atrium
 - ☐ C. Right lower pulmonary vein
 - ☐ D. Left pulmonary artery
3. What number illustrates the left upper pulmonary vein?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 9
4. Which of the following is illustrated by 7?
 - ☐ A. Left atrium
 - ☐ B. Right atrium
 - ☐ C. Right pulmonary artery
 - ☐ D. Left pulmonary artery
5. What number illustrates the ascending aorta?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 8



Figure 5-37

1. Which of the following is illustrated by 2?
 - ☐ A. Right atrium
 - ☐ B. Mediastinal pleura
 - ☐ C. Left atrium
 - ☐ D. Right ventricle
2. What number illustrates the tracheal bifurcation?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
3. Which of the following is illustrated by 4?
 - ☐ A. Mediastinal pleura
 - ☐ B. Ascending aorta
 - ☐ C. Bottom of the aortic arch
 - ☐ D. Descending aorta
4. Which of the following is illustrated by 1?
 - ☐ A. Ascending aorta
 - ☐ B. Bottom of the aortic arch
 - ☐ C. Superior vena cava
 - ☐ D. Descending aorta
5. What number illustrates the bottom of the aortic arch?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1

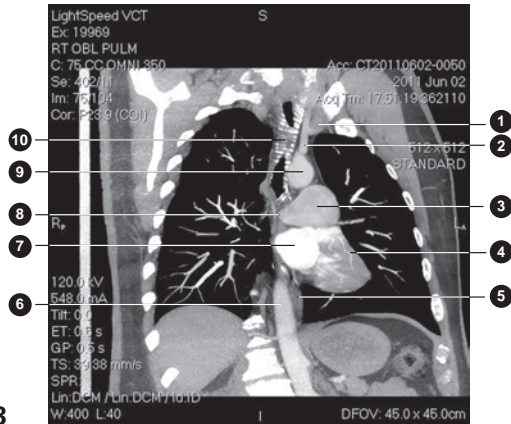


Figure 5-38

1. Which of the following is illustrated by 4?
 - ☐ A. Right lower pulmonary artery
 - ☐ B. Right lower pulmonary vein
 - ☐ C. Coronary vessel
 - ☐ D. Left lower pulmonary artery
2. Which of the following is illustrated by 2?
 - ☐ A. Brachiocephalic artery
 - ☐ B. Common carotid artery
 - ☐ C. Subclavian artery
 - ☐ D. Left pulmonary artery
3. What number illustrates the left atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 7
4. Which of the following is illustrated by 6?
 - ☐ A. Esophagus
 - ☐ B. Descending aorta
 - ☐ C. Right pulmonary artery
 - ☐ D. Left pulmonary artery
5. What number illustrates the aortic arch?
 - ☐ A. 3
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 8

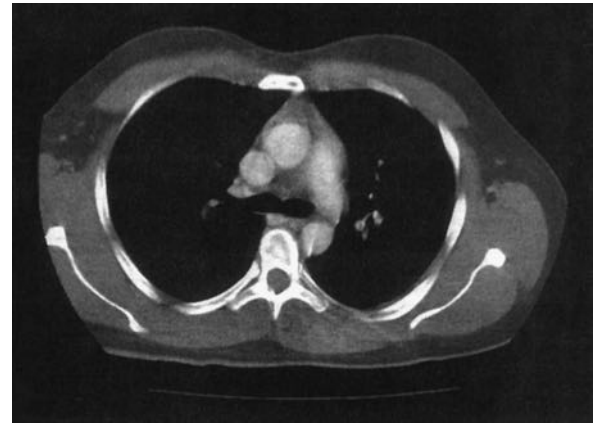


Figure 5-39

1. Which of the following is illustrated by 7?
 - ☐ A. Right main bronchus
 - ☐ B. Right lower lobe bronchus
 - ☐ C. Right upper lobe bronchus
 - ☐ D. Carina
2. What number illustrates the left main bronchus?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 6
3. Which of the following is illustrated by 5?
 - ☐ A. Descending aorta
 - ☐ B. Carina
 - ☐ C. Left pulmonary artery
 - ☐ D. Ascending aorta
4. Which of the following is illustrated by 6?
 - ☐ A. Right main bronchus
 - ☐ B. Left main bronchus
 - ☐ C. Right lower lobe bronchus
 - ☐ D. Right upper lobe bronchus
5. What number illustrates the left pulmonary artery?
 - ☐ A. 8
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1

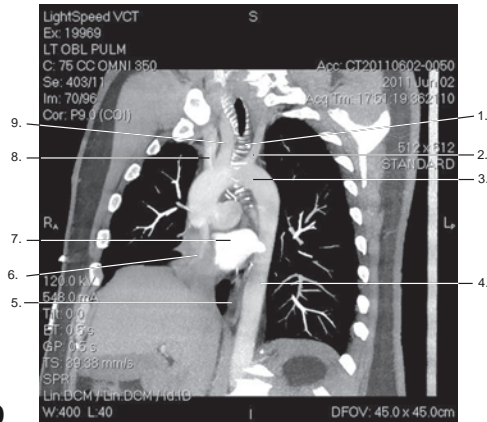


Figure 5-40

1. Which of the following is illustrated by 7?
 - ☐ A. Right atrium
 - ☐ B. Right ventricle
 - ☐ C. Coronary vessel
 - ☐ D. Left atrium
2. Which of the following is illustrated by 2?
 - ☐ A. Brachiocephalic artery
 - ☐ B. Common carotid artery
 - ☐ C. Left subclavian artery
 - ☐ D. Left pulmonary artery
3. What number illustrates the right atrium?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 7
4. Which of the following is illustrated by 5?
 - ☐ A. Esophagus
 - ☐ B. Descending aorta
 - ☐ C. Right pulmonary artery
 - ☐ D. Left pulmonary artery
5. What number illustrates the aortic arch?
 - ☐ A. 3
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 8

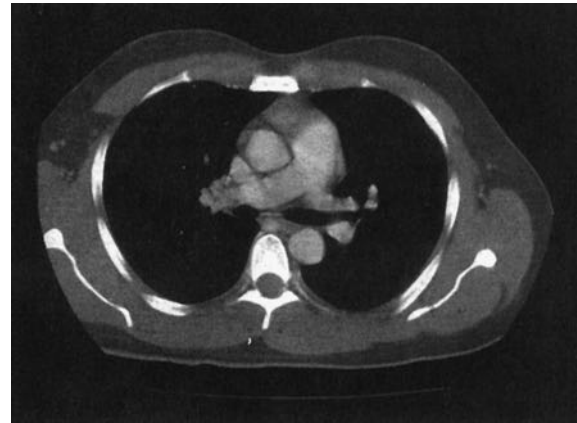


Figure 5-41

1. What number illustrates the esophagus?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
2. Which of the following is illustrated by 5?
 - ☐ A. Pulmonary trunk
 - ☐ B. Left superior pulmonary vein
 - ☐ C. Ascending aorta
 - ☐ D. Right pulmonary artery
3. What number illustrates the left superior pulmonary vein?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 1?
 - ☐ A. Left pulmonary artery
 - ☐ B. Ascending aorta
 - ☐ C. Pulmonary trunk
 - ☐ D. Descending aorta
5. Which of the following is illustrated by 6?
 - ☐ A. Ascending aorta
 - ☐ B. Left superior pulmonary vein
 - ☐ C. Descending aorta
 - ☐ D. Superior vena cava

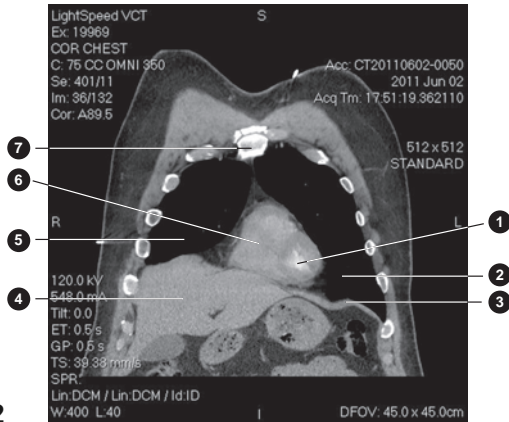


Figure 5-42

1. Which of the following is illustrated by 6?
 - ☐ A. Right ventricle
 - ☐ B. Right atrium
 - ☐ C. Left ventricle
 - ☐ D. Left atrium
2. Which of the following is illustrated by 3?
 - ☐ A. Spleen
 - ☐ B. Stomach
 - ☐ C. Hemidiaphragm
 - ☐ D. Liver
3. What number illustrates the left ventricle?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 4?
 - ☐ A. Spleen
 - ☐ B. Stomach
 - ☐ C. Hemidiaphragm
 - ☐ D. Liver
5. What number illustrates the sternum?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 2



Figure 5-43

1. What number illustrates the left atrium?
 - ☐ A. 2
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 10
2. Which of the following is illustrated by 7?
 - ☐ A. Left main bronchus
 - ☐ B. Bronchus intermedius
 - ☐ C. Superior pulmonary vein
 - ☐ D. Left upper lobe bronchus
3. What number illustrates the descending branch of the left pulmonary artery?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 1?
 - ☐ A. Left superior pulmonary vein
 - ☐ B. Superior vena cava
 - ☐ C. Origin of the pulmonary trunk
 - ☐ D. Ascending aorta
5. Which of the following is illustrated by 4?
 - ☐ A. Left main bronchus
 - ☐ B. Descending branch of the left pulmonary artery
 - ☐ C. Left superior pulmonary vein
 - ☐ D. Left upper lobe bronchus

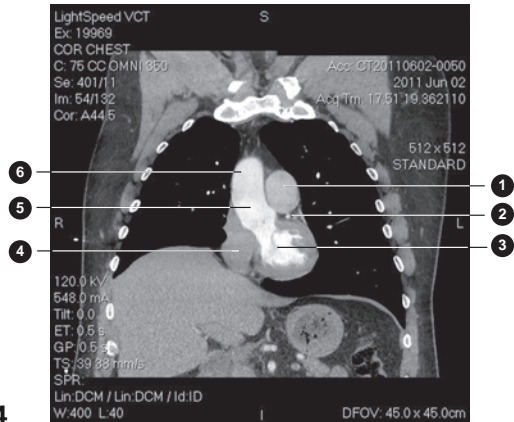


Figure 5-44

1. Which of the following is illustrated by 4?
 - ☐ A. Right ventricle
 - ☐ B. Right atrium
 - ☐ C. Left ventricle
 - ☐ D. Left atrium
2. Which of the following is illustrated by 2?
 - ☐ A. Coronary artery
 - ☐ B. Pulmonary trunk
 - ☐ C. Ascending aorta
 - ☐ D. Pulmonary vein
3. What number illustrates the left ventricle?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 5?
 - ☐ A. Coronary artery
 - ☐ B. Pulmonary trunk
 - ☐ C. Ascending aorta
 - ☐ D. Pulmonary vein
5. What number illustrates the pulmonary trunk?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3



Figure 5-45

1. What number illustrates the ascending aorta?
 - ☐ A. 8
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 1
2. Which of the following is illustrated by 4?
 - ☐ A. Left lower lobe bronchus
 - ☐ B. Left upper lobe bronchus
 - ☐ C. Left main bronchus
 - ☐ D. Carina
3. Which of the following is illustrated by 8?
 - ☐ A. Right ventricle
 - ☐ B. Right atrium
 - ☐ C. Right superior pulmonary vein
 - ☐ D. Left atrium
4. Which of the following is illustrated by 1?
 - ☐ A. Left atrium
 - ☐ B. Left ventricle
 - ☐ C. Right atrium
 - ☐ D. Right ventricle
5. What number illustrates the left atrium?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 2

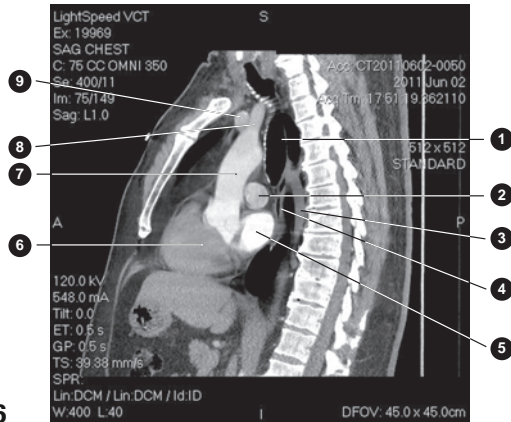


Figure 5-46

1. What number illustrates the trachea?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 8
 - ☐ D. 9
2. Which of the following is illustrated by 9?
 - ☐ A. Esophagus
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Right ventricle
 - ☐ D. Brachiocephalic artery
3. Which of the following is illustrated by 5?
 - ☐ A. Left atrium
 - ☐ B. Descending aorta
 - ☐ C. Right atrium
 - ☐ D. Esophagus
4. What number illustrates the right ventricle?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 9
5. Which of the following is illustrated by 7?
 - ☐ A. Ascending aorta
 - ☐ B. Superior vena cava
 - ☐ C. Right atrium
 - ☐ D. Pulmonary trunk



Figure 5-47

1. What number illustrates the left atrium?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
2. Which of the following is illustrated by 4?
 - ☐ A. Right lower lobe bronchus
 - ☐ B. Right upper lobe bronchus
 - ☐ C. Right middle lobe bronchus
 - ☐ D. Carina
3. Which of the following is illustrated by 5?
 - ☐ A. Right upper lobe bronchus
 - ☐ B. Right lower lobe bronchus
 - ☐ C. Right middle lobe bronchus
 - ☐ D. Carina
4. What number illustrates the chamber within the heart responsible for pumping blood to the lungs?
 - ☐ A. 1
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 3
5. Which of the following is illustrated by 6?
 - ☐ A. Left atrium
 - ☐ B. Right ventricle
 - ☐ C. Left ventricle
 - ☐ D. Right atrium

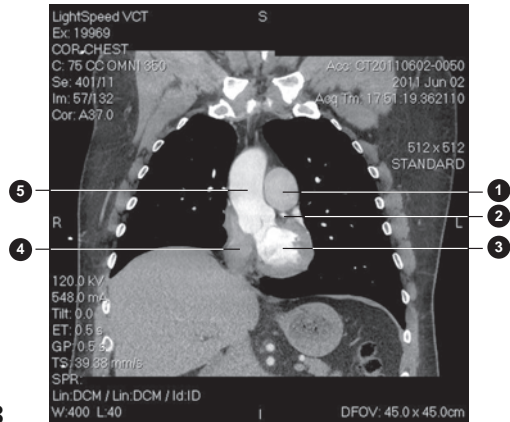


Figure 5-48

1. What number illustrates the right ventricle?
☐ A. 1
☐ B. 3
☐ C. 4
☐ D. 2
2. Which of the following is illustrated by 3?
☐ A. Esophagus
☐ B. Left ventricle
☐ C. Right atrium
☐ D. Right ventricle
3. Which of the following is illustrated by 2?
☐ A. Left atrium
☐ B. Descending aorta
☐ C. Ascending aorta
☐ D. Esophagus
4. What number illustrates the pulmonary trunk?
☐ A. 1
☐ B. 3
☐ C. 2
☐ D. 4
5. Which of the following is illustrated by 5?
☐ A. Left ventricle
☐ B. Coronary vessel
☐ C. Right atrium
☐ D. Esophagus

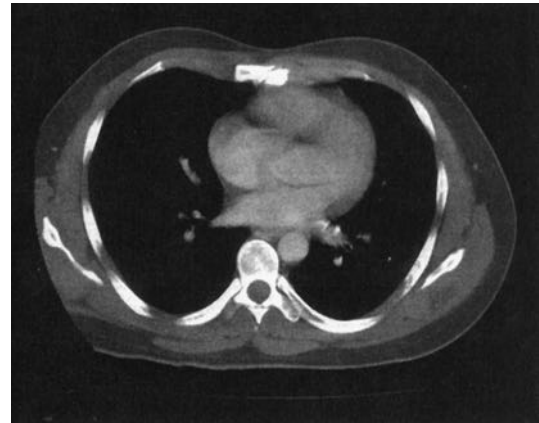


Figure 5-49

1. What number illustrates the lamina?
☐ A. 7
☐ B. 5
☐ C. 6
☐ D. 3
2. Which of the following is illustrated by 3?
☐ A. Left atrium
☐ B. Left inferior pulmonary vein
☐ C. Left upper pulmonary vein
☐ D. Hemiazygos vein
3. What number illustrates the right ventricle?
☐ A. 8
☐ B. 4
☐ C. 1
☐ D. 9
4. Which of the following is illustrated by 7?
☐ A. Esophagus
☐ B. Lamina
☐ C. Pedicle
☐ D. Descending aorta
5. Which of the following is illustrated by 1?
☐ A. Left atrium
☐ B. Right atrium
☐ C. Left ventricle
☐ D. Right ventricle

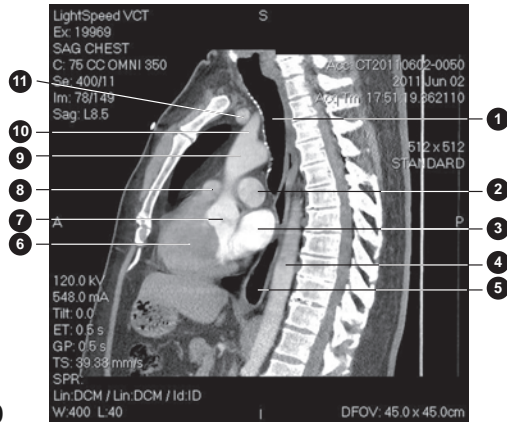


Figure 5-50

1. What number illustrates the aortic valve?
 - ☐ A. 5
 - ☐ B. 10
 - ☐ C. 8
 - ☐ D. 7
2. Which of the following is illustrated by 11?
 - ☐ A. Aortic arch
 - ☐ B. Brachiocephalic artery
 - ☐ C. Right atrium
 - ☐ D. Left brachiocephalic V
3. Which of the following is illustrated by 4?
 - ☐ A. Left atrium
 - ☐ B. Descending aorta
 - ☐ C. Right atrium
 - ☐ D. Esophagus
4. What number illustrates the pulmonary trunk?
 - ☐ A. 8
 - ☐ B. 10
 - ☐ C. 7
 - ☐ D. 9
5. Which of the following is illustrated by 1?
 - ☐ A. Trachea
 - ☐ B. Left brachiocephalic vein
 - ☐ C. Descending aorta
 - ☐ D. Esophagus

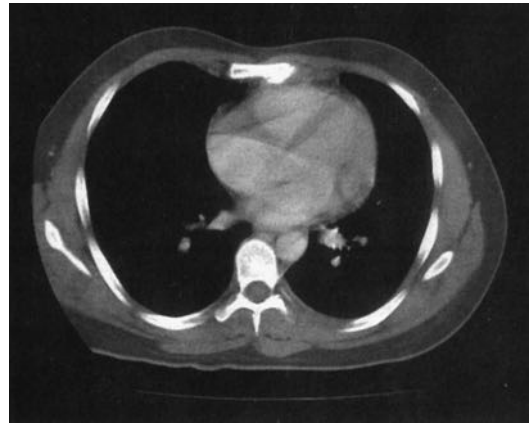


Figure 5-51

1. Which of the following is illustrated by 7?
 - ☐ A. Left atrium
 - ☐ B. Right atrium
 - ☐ C. Left ventricle
 - ☐ D. Right ventricle
2. Which of the following is illustrated by 8?
 - ☐ A. Right atrium
 - ☐ B. Left ventricle
 - ☐ C. Left atrium
 - ☐ D. Right ventricle
3. What number illustrates the descending aorta?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 6
4. What number illustrates the ventricular wall?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 6
5. Which of the following is illustrated by 4?
 - ☐ A. Left ventricle
 - ☐ B. Left atrium
 - ☐ C. Esophagus
 - ☐ D. Descending aorta

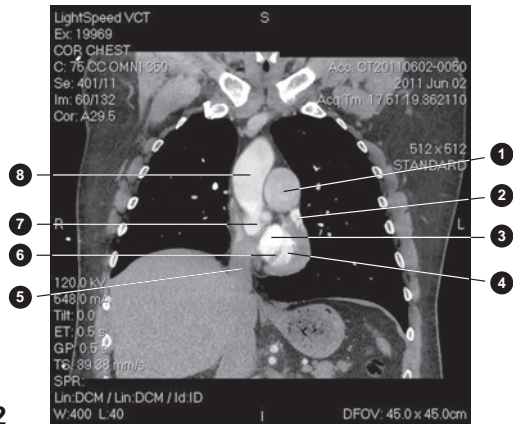


Figure 5-52

1. What number illustrates the inferior vena cava?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 8
 - ☐ D. 7
2. Which of the following is illustrated by 2?
 - ☐ A. Aortic arch
 - ☐ B. Left pulmonary artery
 - ☐ C. Pulmonary veins
 - ☐ D. Pulmonary trunk
3. Which of the following is illustrated by 4?
 - ☐ A. Left atrium
 - ☐ B. Descending aorta
 - ☐ C. Right atrium
 - ☐ D. Left ventricle
4. What number illustrates the aortic valve?
 - ☐ A. 8
 - ☐ B. 10
 - ☐ C. 7
 - ☐ D. 9
5. Which of the following is illustrated by 1?
 - ☐ A. Pulmonary trunk
 - ☐ B. Inferior vena cava
 - ☐ C. Ascending aorta
 - ☐ D. Trachea

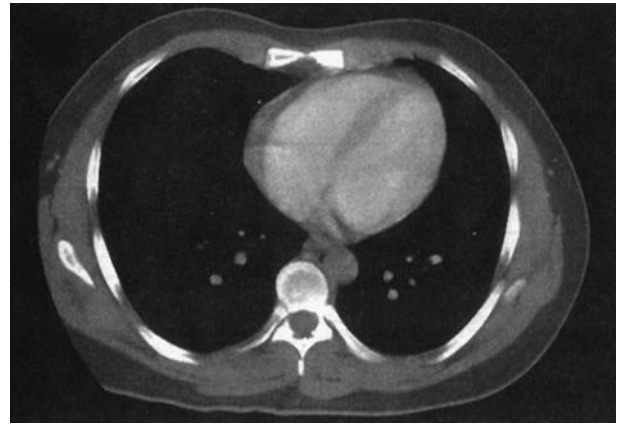
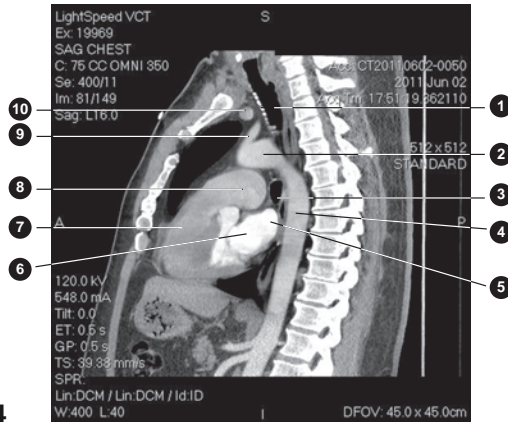


Figure 5-53

1. Which of the following is illustrated by 2?
 - ☐ A. Interventricular septum
 - ☐ B. Esophagus
 - ☐ C. Descending aorta
 - ☐ D. Left ventricle
2. What number illustrates the chamber of the heart receiving venous blood from the inferior vena cava?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 7
3. Which of the following is illustrated by 5?
 - ☐ A. Accessory hemiazygos vein
 - ☐ B. Esophagus
 - ☐ C. Azygos vein
 - ☐ D. Hemiazygos vein
4. Which of the following is illustrated by 3?
 - ☐ A. Descending aorta
 - ☐ B. Hemiazygos vein
 - ☐ C. Azygos vein
 - ☐ D. Accessory hemiazygos vein
5. What number illustrates the right ventricle?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 7

**Figure 5-54**

1. What number illustrates the left main bronchus?
☐ A. 5
☐ B. 6
☐ C. 3
☐ D. 4
2. Which of the following is illustrated by 6?
☐ A. Aortic arch
☐ B. Left ventricle
☐ C. Left atrium
☐ D. Pulmonary trunk
3. Which of the following is illustrated by 9?
☐ A. Left atrium
☐ B. Descending aorta
☐ C. Left ventricle
☐ D. Left common carotid artery
4. What number illustrates the left brachiocephalic vein?
☐ A. 8
☐ B. 10
☐ C. 7
☐ D. 9
5. Which of the following is illustrated by 2?
☐ A. Pulmonary trunk
☐ B. Aortic arch
☐ C. Ascending aorta
☐ D. Trachea

**Figure 5-55**

1. Which of the following is illustrated by 1?
☐ A. Left atrium
☐ B. Right ventricle
☐ C. Left ventricle
☐ D. Right atrium
2. Which of the following is illustrated by 5?
☐ A. Left lung
☐ B. Right lung
☐ C. Right atrium
☐ D. Right ventricle
3. What number illustrates the alimentary structure connecting the pharynx to the stomach?
☐ A. 2
☐ B. 3
☐ C. 6
☐ D. 4
4. What number illustrates the interventricular septum?
☐ A. 2
☐ B. 5
☐ C. 4
☐ D. 7
5. Which of the following is illustrated by 4?
☐ A. Right atrium
☐ B. Right ventricle
☐ C. Left atrium
☐ D. Left ventricle

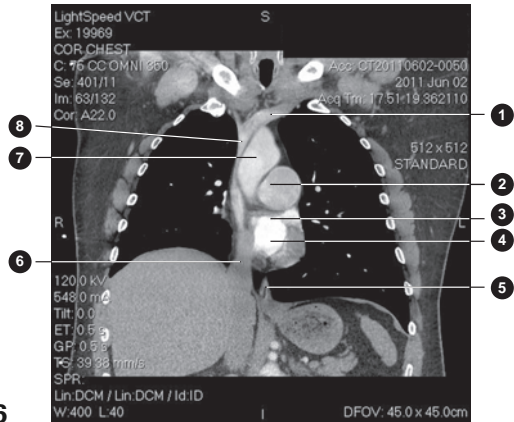


Figure 5-56

1. What number illustrates the superior vena cava?
☐ A. 5
☐ B. 6
☐ C. 7
☐ D. 8
2. Which of the following is illustrated by 6?
☐ A. Aortic arch
☐ B. Inferior vena cava
☐ C. Left atrium
☐ D. Pulmonary trunk
3. Which of the following is illustrated by 5?
☐ A. Left atrium
☐ B. Aortic arch
☐ C. Esophagus
☐ D. Pulmonary veins
4. What number illustrates the pulmonary trunk?
☐ A. 8
☐ B. 2
☐ C. 6
☐ D. 4
5. Which of the following is illustrated by 4?
☐ A. Left atrium
☐ B. Aortic arch
☐ C. Ascending aorta
☐ D. Trachea

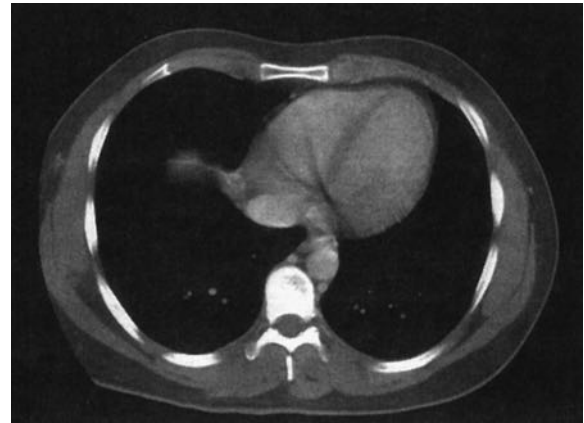


Figure 5-57

1. What number illustrates the inferior vena cava?
☐ A. 3
☐ B. 5
☐ C. 4
☐ D. 6
2. Which of the following is illustrated by 7?
☐ A. Right ventricle
☐ B. Right atrium
☐ C. Inferior vena cava
☐ D. Left ventricle
3. Which of the following is illustrated by 4?
☐ A. Hemiazygos vein
☐ B. Inferior vena cava
☐ C. Azygos vein
☐ D. Accessory hemiazygos vein
4. Which of the following is illustrated by 1?
☐ A. Visceral peritoneum
☐ B. Mediastinal pleura
☐ C. Parietal peritoneum
☐ D. Interventricular septum
5. What number illustrates the azygos vein?
☐ A. 4
☐ B. 3
☐ C. 1
☐ D. 5

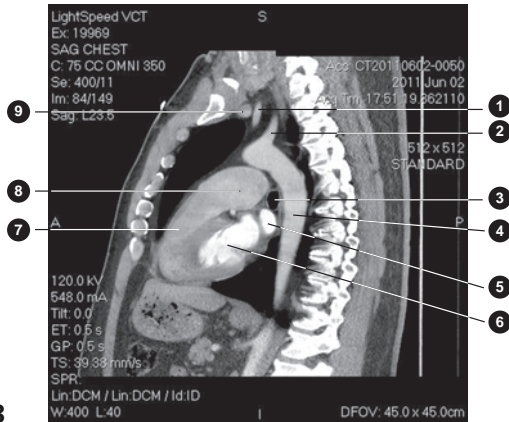


Figure 5-58

1. What number illustrates the pulmonary trunk?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 8
2. Which of the following is illustrated by 3?
 - ☐ A. Left main bronchus
 - ☐ B. Right main bronchus
 - ☐ C. Esophagus
 - ☐ D. Pulmonary trunk
3. Which of the following is illustrated by 5?
 - ☐ A. Left atrium
 - ☐ B. Left ventricle
 - ☐ C. Right ventricle
 - ☐ D. Pulmonary trunk
4. What number illustrates the left ventricle?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 7
5. Which of the following is illustrated by 1?
 - ☐ A. Subclavian artery
 - ☐ B. Brachiocephalic artery
 - ☐ C. Axillary artery
 - ☐ D. Common carotid artery

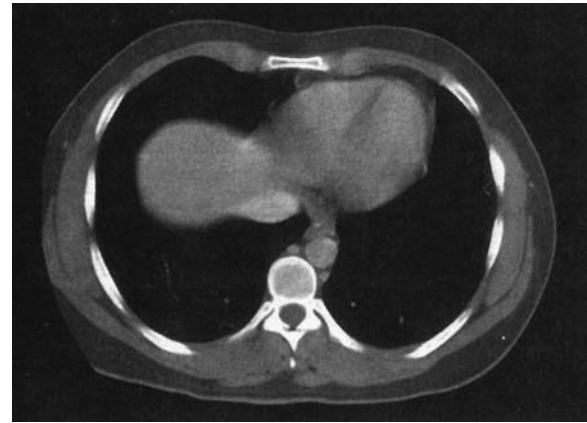


Figure 5-59

1. Which of the following is illustrated by 3?
 - ☐ A. Superior vena cava
 - ☐ B. Inferior vena cava
 - ☐ C. Right ventricle
 - ☐ D. Descending aorta
2. What number illustrates the interventricular septum?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4
3. What number illustrates the descending aorta?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 6
4. Which of the following is illustrated by 7?
 - ☐ A. Left ventricle
 - ☐ B. Right ventricle
 - ☐ C. Stomach
 - ☐ D. Liver
5. Which of the following is illustrated by 3?
 - ☐ A. Left atrium
 - ☐ B. Left ventricle
 - ☐ C. Right ventricle
 - ☐ D. Liver

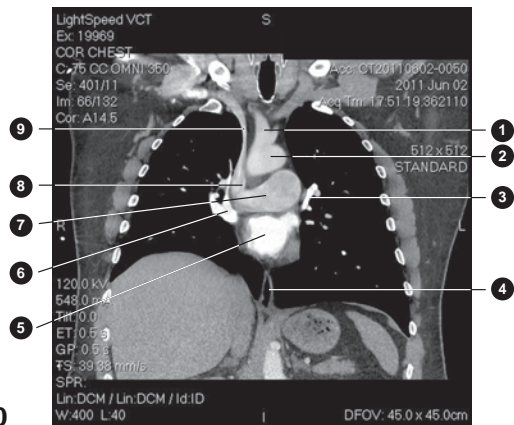


Figure 5-60

1. What number illustrates the superior vena cava?
☐ A. 5
☐ B. 6
☐ C. 7
☐ D. 8
2. Which of the following is illustrated by 6?
☐ A. Right pulmonary vein
☐ B. Inferior vena cava
☐ C. Left atrium
☐ D. Pulmonary trunk
3. Which of the following is illustrated by 2?
☐ A. Left atrium
☐ B. Aortic arch
☐ C. Esophagus
☐ D. Pulmonary veins
4. What number illustrates the right brachiocephalic vein?
☐ A. 8
☐ B. 9
☐ C. 6
☐ D. 7
5. Which of the following is illustrated by 4?
☐ A. Left atrium
☐ B. Esophagus
☐ C. Ascending aorta
☐ D. Trachea

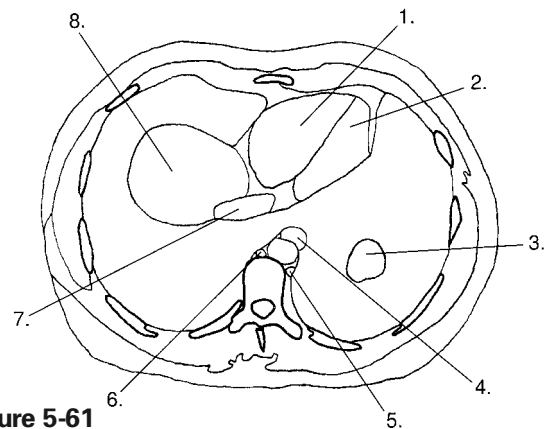


Figure 5-61

1. Which of the following is illustrated by 3?
☐ A. Right ventricle
☐ B. Left ventricle
☐ C. Fundus of stomach
☐ D. Liver
2. What number illustrates the inferior vena cava?
☐ A. 4
☐ B. 6
☐ C. 5
☐ D. 7
3. Which of the following is illustrated by 6?
☐ A. Azygos vein
☐ B. Inferior vena cava
☐ C. Hemiazygos vein
☐ D. Accessory hemiazygos vein
4. What number illustrates the esophagus?
☐ A. 3
☐ B. 7
☐ C. 6
☐ D. 4
5. Which of the following is illustrated by 5?
☐ A. Inferior vena cava
☐ B. Accessory hemiazygos vein
☐ C. Hemiazygos vein
☐ D. Azygos vein

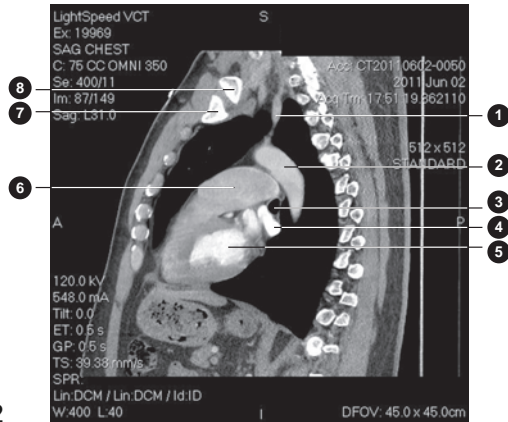


Figure 5-62

1. What number illustrates the clavicle?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 5
2. Which of the following is illustrated by 6?
 - ☐ A. Pulmonary trunk
 - ☐ B. Inferior vena cava
 - ☐ C. Left atrium
 - ☐ D. Right pulmonary artery
3. Which of the following is illustrated by 3?
 - ☐ A. Left atrium
 - ☐ B. Aortic arch
 - ☐ C. Esophagus
 - ☐ D. Left main bronchus
4. What number illustrates the manubrium?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 6
 - ☐ D. 8
5. Which of the following is illustrated by 2?
 - ☐ A. Left atrium
 - ☐ B. Descending aorta
 - ☐ C. Ascending aorta
 - ☐ D. Trachea



Figure 5-63

1. Which of the following is illustrated by 4?
 - ☐ A. Left lung
 - ☐ B. Spleen
 - ☐ C. Liver
 - ☐ D. Fundus of the stomach
2. What number illustrates the vein transporting blood from the liver to the heart?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 1?
 - ☐ A. Splenic flexure of the colon
 - ☐ B. Fundus of the stomach
 - ☐ C. Transverse colon
 - ☐ D. Spleen
4. Which of the following is illustrated by 3?
 - ☐ A. Spleen
 - ☐ B. Inferior vena cava
 - ☐ C. Esophagus
 - ☐ D. Fundus of the stomach
5. What number illustrates the left lung?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 3

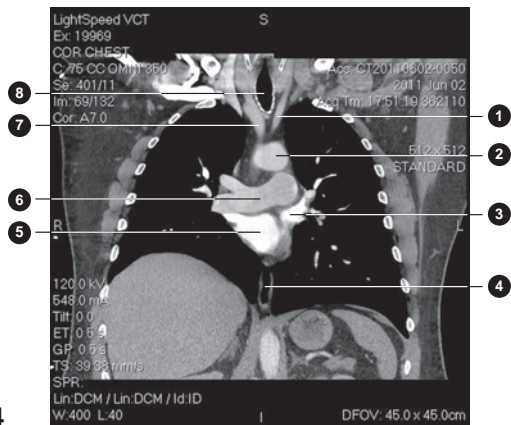


Figure 5-64

1. What number illustrates the brachiocephalic artery?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 3
 - ☐ D. 5
2. Which of the following is illustrated by 2?
 - ☐ A. Pulmonary trunk
 - ☐ B. Inferior vena cava
 - ☐ C. Left atrium
 - ☐ D. Aortic arch
3. Which of the following is illustrated by 5?
 - ☐ A. Esophagus
 - ☐ B. Left main bronchus
 - ☐ C. Left atrium
 - ☐ D. Aortic arch
4. What number illustrates the trachea?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3
5. Which of the following is illustrated by 4?
 - ☐ A. Left atrium
 - ☐ B. Esophagus
 - ☐ C. Ascending aorta
 - ☐ D. Trachea



Figure 5-65

1. Which of the following is illustrated by 3?
 - ☐ A. Gastroesophageal junction
 - ☐ B. Spleen
 - ☐ C. Splenic flexure of colon
 - ☐ D. Liver
2. What number illustrates the splenic flexure of the colon?
 - ☐ A. 1
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 3
3. Which of the following is illustrated by 6?
 - ☐ A. Accessory hemiazygos vein
 - ☐ B. Azygos vein
 - ☐ C. Hemiazygos vein
 - ☐ D. Inferior vena cava
4. Which of the following is illustrated by 5?
 - ☐ A. Esophagus
 - ☐ B. Inferior vena cava
 - ☐ C. Descending aorta
 - ☐ D. Azygos vein
5. What number illustrates the hemiazygos vein?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 8
 - ☐ D. 6

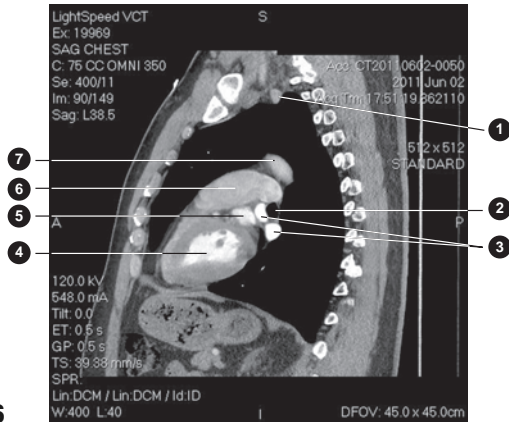


Figure 5-66

1. What number illustrates the left pulmonary vein?
☐ A. 4
☐ B. 8
☐ C. 3
☐ D. 5
2. Which of the following is illustrated by 6?
☐ A. Pulmonary trunk
☐ B. Inferior vena cava
☐ C. Left atrium
☐ D. Aortic arch
3. Which of the following is illustrated by 5?
☐ A. Left atrium
☐ B. Right atrium
☐ C. Left pulmonary artery
☐ D. Left ventricle
4. What number illustrates the aortic arch?
☐ A. 8
☐ B. 6
☐ C. 5
☐ D. 7
5. Which of the following is illustrated by 1?
☐ A. Left atrium
☐ B. Left subclavian artery
☐ C. Ascending aorta
☐ D. Aortic arch



Figure 5-67

1. Which of the following is illustrated by 2?
☐ A. Splenic flexure of colon
☐ B. Fundus of stomach
☐ C. Spleen
☐ D. Body of stomach
2. What number illustrates the descending aorta?
☐ A. 4
☐ B. 2
☐ C. 5
☐ D. 6
3. Which of the following is illustrated by 3?
☐ A. Spleen
☐ B. Body of stomach
☐ C. Liver
☐ D. Splenic flexure of colon
4. Which of the following is illustrated by 7?
☐ A. Spleen
☐ B. Gallbladder
☐ C. Descending aorta
☐ D. Inferior vena cava
5. What number illustrates the splenic flexure of colon?
☐ A. 1
☐ B. 5
☐ C. 3
☐ D. 2

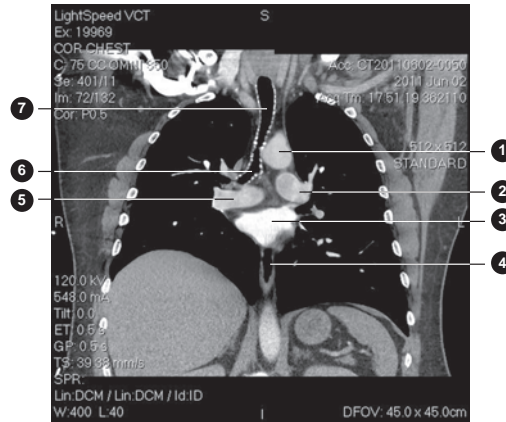


Figure 5-68

1. What number illustrates the left atrium?
 - ___ A. 4
 - ___ B. 3
 - ___ C. 7
 - ___ D. 5
2. Which of the following is illustrated by 7?
 - ___ A. Pulmonary trunk
 - ___ B. Esophagus
 - ___ C. Trachea
 - ___ D. Aortic arch
3. Which of the following is illustrated by 4?
 - ___ A. Left atrium
 - ___ B. Left main bronchus
 - ___ C. Left ventricle
 - ___ D. Esophagus
4. What number illustrates the aortic arch?
 - ___ A. 8
 - ___ B. 1
 - ___ C. 6
 - ___ D. 3
5. Which of the following is illustrated by 6?
 - ___ A. Left atrium
 - ___ B. Right main bronchus
 - ___ C. Esophagus
 - ___ D. Aortic arch

CLINICAL APPLICATIONS

1. Which of the following does not originate from the aorta?
 - ___ A. Brachiocephalic artery
 - ___ B. Left subclavian artery
 - ___ C. Left vertebral artery
 - ___ D. Left common carotid artery

2. The pulmonary arteries carry deoxygenated blood. True or false

3. The ascending aorta originates from which part of the heart?
 - ___ A. Left ventricle
 - ___ B. Left atrium
 - ___ C. Right ventricle
 - ___ D. Right atrium

4. Which of the following structures is located anterior to the hilum of the lungs?
 - ___ A. Superior vena cava
 - ___ B. Esophagus
 - ___ C. Descending aorta
 - ___ D. Accessory hemiazygos vein

5. The aorta arches over all of the following structures except the
 - ___ A. Pulmonary trunk
 - ___ B. Left brachiocephalic vein
 - ___ C. Left main bronchus
 - ___ D. Left pulmonary vein

6. In an axial section through the oblique fissure of the left lung, which lobe of the lung would be most anterior?

7. Which of the following structures is most posterior in the chest?
 - ___ A. Trachea
 - ___ B. Esophagus
 - ___ C. Ascending aorta
 - ___ D. Pulmonary trunk

8. Describe the left subclavian vein.

9. The vertebral arch consists of _____ pedicles, _____ laminae, and _____ processes (_____ transverse, _____ articular, and _____ spinous).

10. In a magnetic resonance (MR) image of the median sagittal chest, which chamber of the heart would be located most posteriorly?

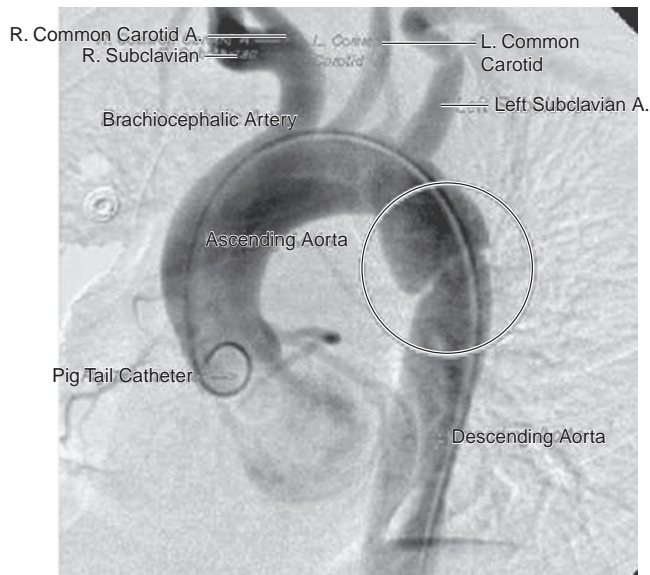
CLINICAL CORRELATIONS

Clinical Case 5-1



1. This image would best be described by which of the following?
 - ☐ A. Computed tomography angiography (CTA)
 - ☐ B. Magnetic resonance angiography (MRA)
 - ☐ C. Ultrasound
 - ☐ D. Positron emission tomography/computed tomography (PET/CT)
2. The anterior interventricular coronary artery originates from which of the following?
 - ☐ A. Right coronary artery
 - ☐ B. Left coronary artery
3. The right and left coronary arteries originate from which of the following?
 - ☐ A. Superior vena cava
 - ☐ B. Pulmonary veins
 - ☐ C. Pulmonary trunk
 - ☐ D. Ascending aorta
4. The _____ artery wraps around the heart to extend down the posterior side.
 - ☐ A. Anterior interventricular
 - ☐ B. Marginal
 - ☐ C. Circumflex
 - ☐ D. Posterior interventricular
5. The right coronary artery is found wrapping around the outside of the heart between the right atrium and _____ to reach the posterior side of the heart.
 - ☐ A. Right ventricle
 - ☐ B. Left atrium
 - ☐ C. Left ventricle
 - ☐ D. Aorta

Clinical Case 5-2



1. Describe the location of the false aneurysm resulting from trauma to the chest during a motor vehicle accident (MVA). The injury is shown with digital angiography (*left*) and axial CT (*right*) images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 5-3



1. Describe the location of the non-small cell lung carcinoma (NSCLC) in this reconstructed coronal CT image.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

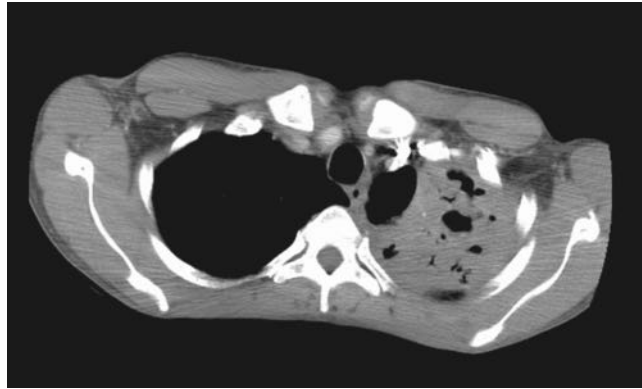
Clinical Case 5-4

1. Describe the location of the primary pulmonary adenocarcinoma in this selected axial CT image.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

Clinical Case 5-5



1. Describe the location of the necrotizing pneumonia as shown in this axial CT image.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

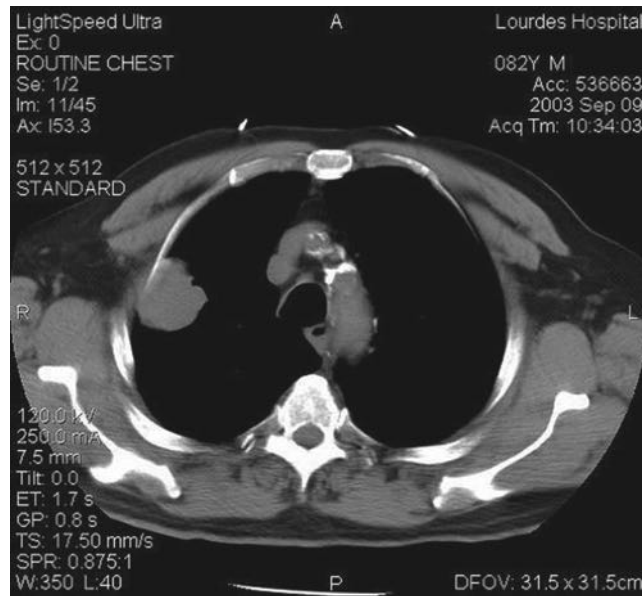
Clinical Case 5-6

1. Describe the location of the pleural effusion found in this axial CT image.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 5-7



1. Describe the location of the malignant lung mass.
Please note that the scan was done without contrast because the patient had a prior reaction to iodine.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

CHAPTER
6

Abdomen

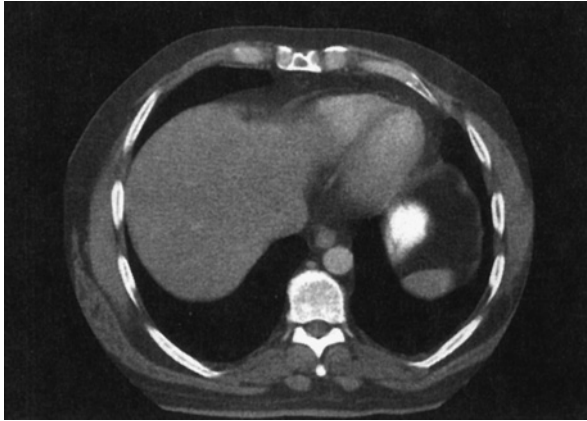
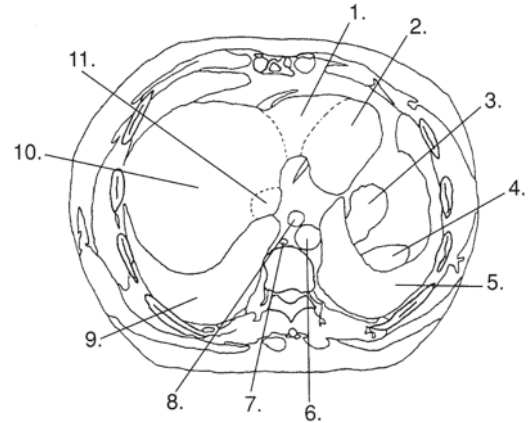


Figure 6-1



1. Which of the following is illustrated by 3?
 - ☐ A. Left ventricle
 - ☐ B. Inferior vena cava
 - ☐ C. Fundus of the stomach
 - ☐ D. Spleen
2. Which of the following is illustrated by 10?
 - ☐ A. Left ventricle
 - ☐ B. Spleen
 - ☐ C. Right lung
 - ☐ D. Liver
3. What number illustrates the azygos vein?
 - ☐ A. 11
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 3
4. What number illustrates the inferior vena cava?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 11
5. Which of the following is illustrated by 4?
 - ☐ A. Spleen
 - ☐ B. Descending aorta
 - ☐ C. Esophagus
 - ☐ D. Inferior vena cava



Figure 6-2

1. What number illustrates the superior mesenteric artery?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 1
2. Which of the following is illustrated by 2?
 - ☐ A. Internal iliac artery
 - ☐ B. Abdominal aorta
 - ☐ C. Common iliac
 - ☐ D. Inferior vena cava
3. Which of the following is illustrated by 6?
 - ☐ A. Inferior vena cava
 - ☐ B. Esophagus
 - ☐ C. Descending aorta
 - ☐ D. Abdominal aorta
4. What number illustrates the heart?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
5. Which of the following is illustrated by 4?
 - ☐ A. Common iliac artery
 - ☐ B. Right ventricle
 - ☐ C. Left ventricle
 - ☐ D. Superior mesenteric artery

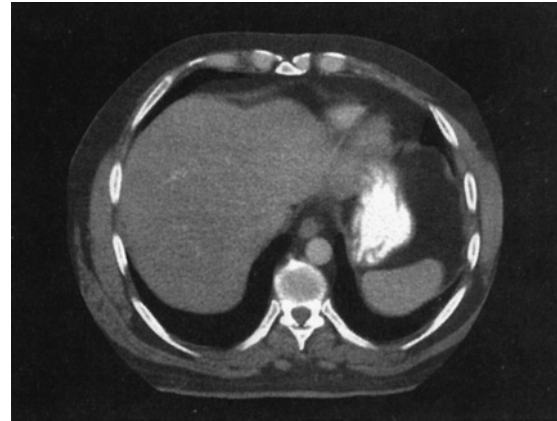


Figure 6-3

1. What number illustrates the chamber of the heart that pumps blood to most of the body?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
2. Which of the following is illustrated by 5?
 - ☐ A. Right lung
 - ☐ B. Spleen
 - ☐ C. Left lung
 - ☐ D. Inferior vena cava
3. Which of the following is illustrated by 7?
 - ☐ A. Inferior vena cava
 - ☐ B. Esophagus
 - ☐ C. Descending aorta
 - ☐ D. Azygos vein
4. What number illustrates the liver?
 - ☐ A. 9
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 11
5. Which of the following is illustrated by 1?
 - ☐ A. Quadrate lobe of the liver
 - ☐ B. Right ventricle
 - ☐ C. Left ventricle
 - ☐ D. Gallbladder

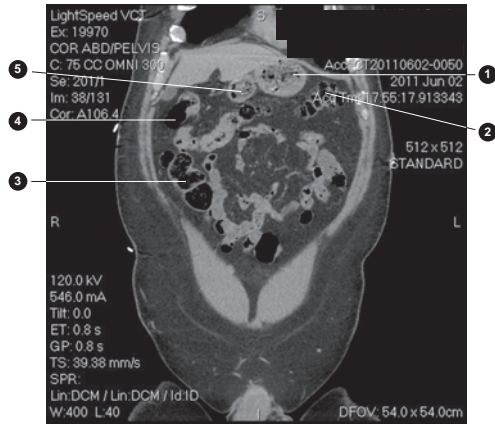


Figure 6-4

1. Which of the following is illustrated by 2?
 - ☐ A. Pyloric part of the stomach
 - ☐ B. Splenic flexure of the colon
 - ☐ C. Fundus of the stomach
 - ☐ D. Hepatic flexure
2. Which of the following is illustrated by 1?
 - ☐ A. Spleen
 - ☐ B. Fundus of the stomach
 - ☐ C. Quadrate lobe of the liver
 - ☐ D. Esophagus
3. What number illustrates the pyloric part of the stomach?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
4. Which of the following is illustrated by 3?
 - ☐ A. Ascending colon
 - ☐ B. Fundus of stomach
 - ☐ C. Splenic flexure of the colon
 - ☐ D. Esophagus
5. What number illustrates the hepatic flexure?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1

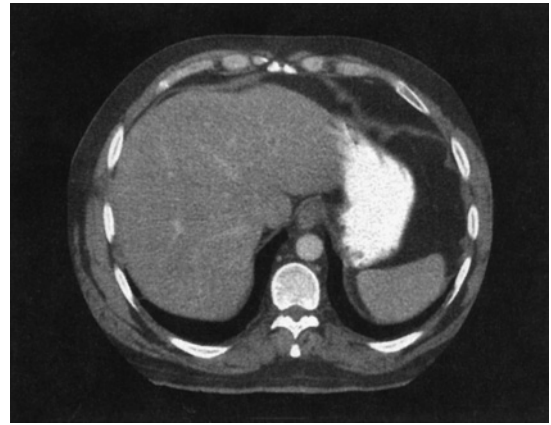


Figure 6-5

1. Which of the following is illustrated by 6?
 - ☐ A. Hemiazygos vein
 - ☐ B. Portal vein
 - ☐ C. Accessory hemiazygos vein
 - ☐ D. Azygos vein
2. Which of the following is illustrated by 1?
 - ☐ A. Spleen
 - ☐ B. Fundus of stomach
 - ☐ C. Quadrate lobe of the liver
 - ☐ D. Esophagus
3. What number illustrates the hemiazygos vein?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 5
4. Which of the following is illustrated by 8?
 - ☐ A. Descending aorta
 - ☐ B. Fundus of stomach
 - ☐ C. Inferior vena cava
 - ☐ D. Esophagus
5. What number illustrates the left lung?
 - ☐ A. 9
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1

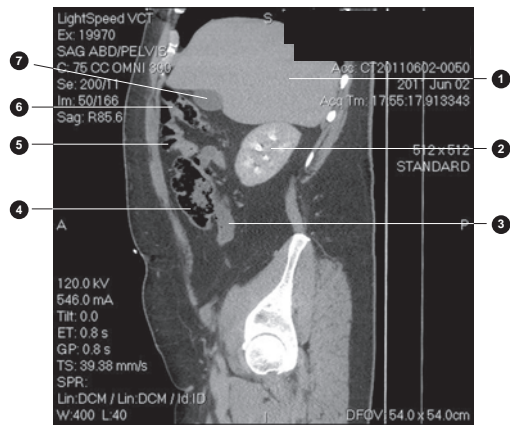


Figure 6-6

1. What number illustrates the gallbladder?
☐ A. 1
☐ B. 7
☐ C. 5
☐ D. 2
2. Which of the following is illustrated by 2?
☐ A. Kidney
☐ B. Ascending colon
☐ C. Cecum
☐ D. Liver
3. What number illustrates the right lobe of the liver?
☐ A. 6
☐ B. 3
☐ C. 7
☐ D. 1
4. Which of the following is illustrated by 4?
☐ A. Pancreas
☐ B. Cecum
☐ C. Hepatic flexure of the colon
☐ D. Gallbladder
5. Which of the following is illustrated by 6?
☐ A. Liver
☐ B. Cecum
☐ C. Hepatic flexure of the colon
☐ D. Ileum

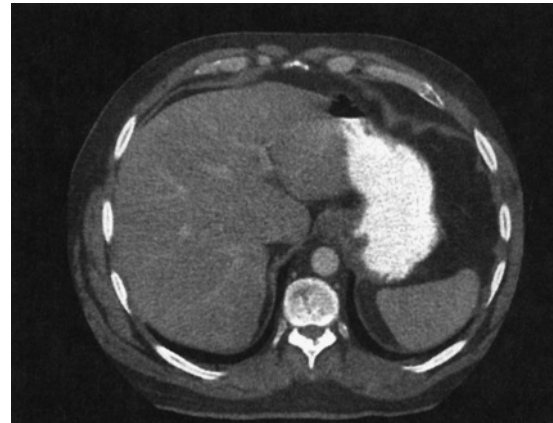


Figure 6-7

1. What number illustrates the body of the stomach?
☐ A. 1
☐ B. 9
☐ C. 5
☐ D. 2
2. Which of the following is illustrated by 7?
☐ A. Hemiazygos vein
☐ B. Right crus of the diaphragm
☐ C. Azygos vein
☐ D. Right adrenal gland
3. What number illustrates the right lobe of the liver?
☐ A. 10
☐ B. 3
☐ C. 9
☐ D. 1
4. Which of the following is illustrated by 2?
☐ A. Pancreas
☐ B. Portal vein
☐ C. Inferior vena cava
☐ D. Gastroesophageal junction
5. Which of the following is illustrated by 6?
☐ A. Hemiazygos vein
☐ B. Azygos vein
☐ C. Portal vein
☐ D. Right crus of diaphragm

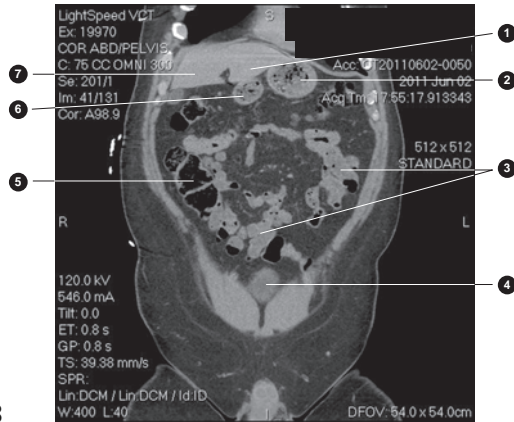


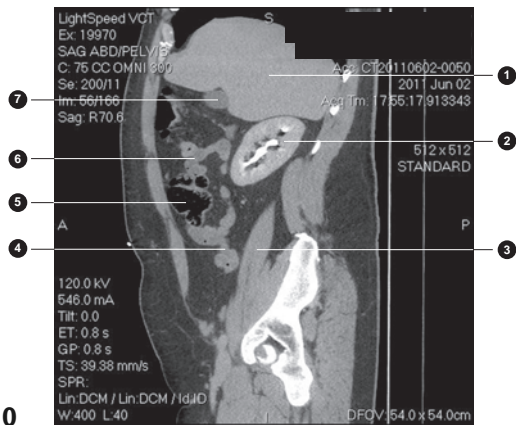
Figure 6-8

1. Which of the following is illustrated by 7?
 - ☐ A. Small bowel
 - ☐ B. Right lobe of the liver
 - ☐ C. Ascending colon
 - ☐ D. Bladder
2. What number illustrates the pyloric part of the stomach?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 5
3. Which of the following is illustrated by 2?
 - ☐ A. Fundus of the stomach
 - ☐ B. Bladder
 - ☐ C. Ascending colon
 - ☐ D. Left lobe of liver
4. Which of the following is illustrated by 1?
 - ☐ A. Ascending colon
 - ☐ B. Right lobe of the liver
 - ☐ C. Small bowel
 - ☐ D. Left lobe of the liver
5. What number illustrates the ascending colon?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 2



Figure 6-9

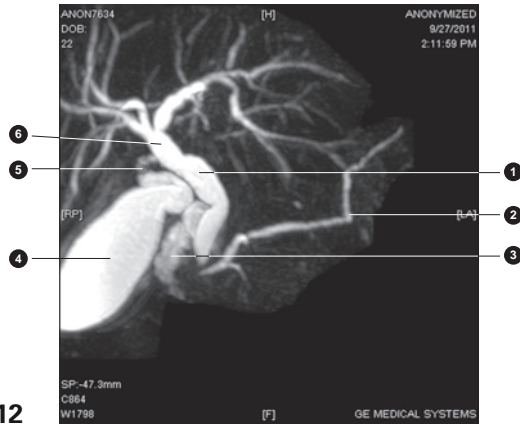
1. Which of the following is illustrated by 12?
 - ☐ A. Quadrate lobe of the liver
 - ☐ B. Caudate lobe of the liver
 - ☐ C. Inferior vena cava
 - ☐ D. Ligamentum teres fossa
2. What number illustrates the caudate lobe of liver?
 - ☐ A. 13
 - ☐ B. 3
 - ☐ C. 10
 - ☐ D. 1
3. Which of the following is illustrated by 2?
 - ☐ A. Air in the stomach
 - ☐ B. Transverse colon
 - ☐ C. Ascending colon
 - ☐ D. Splenic flexure of the colon
4. Which of the following is illustrated by 6?
 - ☐ A. Descending aorta
 - ☐ B. Celiac trunk
 - ☐ C. Inferior vena cava
 - ☐ D. Portal vein
5. What number illustrates the left lobe of liver?
 - ☐ A. 1
 - ☐ B. 10
 - ☐ C. 6
 - ☐ D. 13

**Figure 6-10**

1. Which of the following is illustrated by 7?
 - ☐ A. Gallbladder
 - ☐ B. Cecum
 - ☐ C. Kidney
 - ☐ D. Psoas muscle
2. What number illustrates the psoas muscle?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 5
3. What number illustrates the ileum?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 4
4. Which of the following is illustrated by 5?
 - ☐ A. Liver
 - ☐ B. Kidney
 - ☐ C. Cecum
 - ☐ D. Jejunum
5. What number illustrates the jejunum?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 2
 - ☐ D. 1

**Figure 6-11**

1. Which of the following is illustrated by 4?
 - ☐ A. Splenic vein
 - ☐ B. Upper pole of the left kidney
 - ☐ C. Left adrenal gland
 - ☐ D. Inferior mesenteric vein
2. What number illustrates the adrenal gland?
 - ☐ A. 6
 - ☐ B. 9
 - ☐ C. 7
 - ☐ D. 5
3. What number illustrates the gallbladder?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 12
 - ☐ D. 11
4. Which of the following is illustrated by 12?
 - ☐ A. Left lobe of the liver
 - ☐ B. Caudate lobe of the liver
 - ☐ C. Gallbladder
 - ☐ D. Quadrate lobe of the liver
5. Which of the following is illustrated by 10?
 - ☐ A. Common hepatic artery
 - ☐ B. Proper hepatic artery
 - ☐ C. Portal vein
 - ☐ D. Gastroduodenal artery

**Figure 6-12**

1. What number illustrates the common bile duct?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
2. Which of the following is illustrated by 6?
 - ☐ A. Hepatic duct
 - ☐ B. Duodenum
 - ☐ C. Cystic duct
 - ☐ D. Pancreatic duct
3. Which of the following is illustrated by 2?
 - ☐ A. Common bile duct
 - ☐ B. Pancreatic duct
 - ☐ C. Cystic duct
 - ☐ D. Hepatic duct
4. What number illustrated the cystic duct?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 5
5. What number illustrates the body of the gallbladder?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 4

**Figure 6-13**

1. What number illustrates the descending colon?
 - ☐ A. 9
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
2. Which of the following is illustrated by 7?
 - ☐ A. Upper pole of the right kidney
 - ☐ B. Inferior vena cava
 - ☐ C. Splenic vein
 - ☐ D. Right adrenal gland
3. Which of the following is illustrated by 10?
 - ☐ A. Transverse colon
 - ☐ B. Inferior vena cava
 - ☐ C. Portal vein
 - ☐ D. Proper hepatic artery
4. Which of the following is illustrated by 2?
 - ☐ A. Descending colon
 - ☐ B. Splenic vein
 - ☐ C. Transverse colon
 - ☐ D. Left adrenal
5. What number illustrates the body of the pancreas?
 - ☐ A. 11
 - ☐ B. 1
 - ☐ C. 8
 - ☐ D. 12

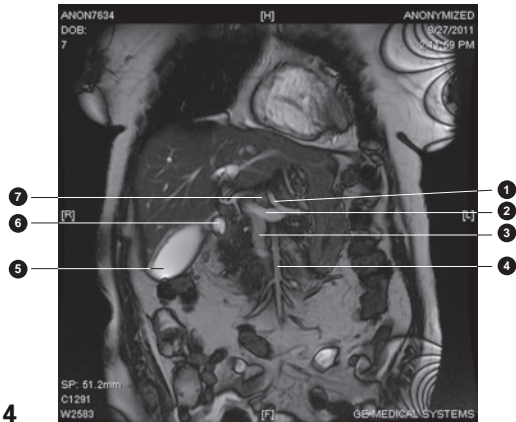


Figure 6-14

1. Which of the following is illustrated by 3?
 - ☐ A. Head of the pancreas
 - ☐ B. Splenic vein
 - ☐ C. Superior mesenteric vein
 - ☐ D. Duodenum
2. What number illustrates the splenic artery?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 5
3. Which of the following is illustrated by 7?
 - ☐ A. Head of the pancreas
 - ☐ B. Superior mesenteric artery
 - ☐ C. Duodenum
 - ☐ D. Gallbladder
4. Which of the following is illustrated by 6?
 - ☐ A. Gallbladder
 - ☐ B. Splenic artery
 - ☐ C. Splenic vein
 - ☐ D. Duodenum
5. What number illustrates the superior mesenteric artery?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 6

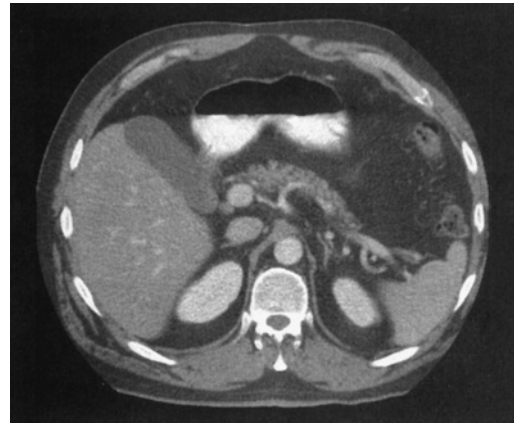


Figure 6-15

1. Which of the following is illustrated by 13?
 - ☐ A. Hepatic artery
 - ☐ B. Splenic artery
 - ☐ C. Celiac trunk
 - ☐ D. Cystic duct
2. What number illustrates the transverse colon?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 15
3. Which of the following is illustrated by 11?
 - ☐ A. Body of the pancreas
 - ☐ B. Stomach
 - ☐ C. Duodenum
 - ☐ D. Tail of the pancreas
4. Which of the following is illustrated by 6?
 - ☐ A. Left adrenal gland
 - ☐ B. Left kidney
 - ☐ C. Splenic flexure of the colon
 - ☐ D. Spleen
5. What number illustrates the splenic vein?
 - ☐ A. 13
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 7

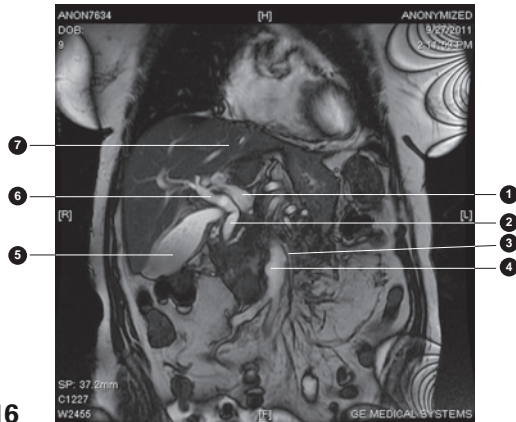
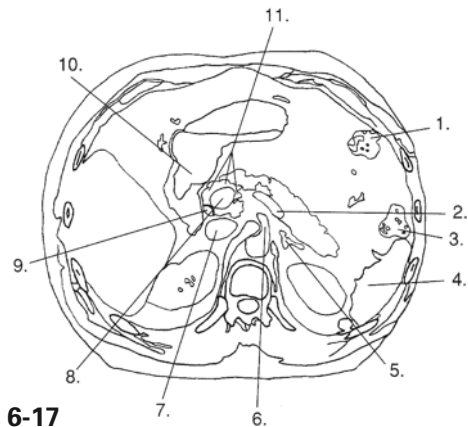


Figure 6-16

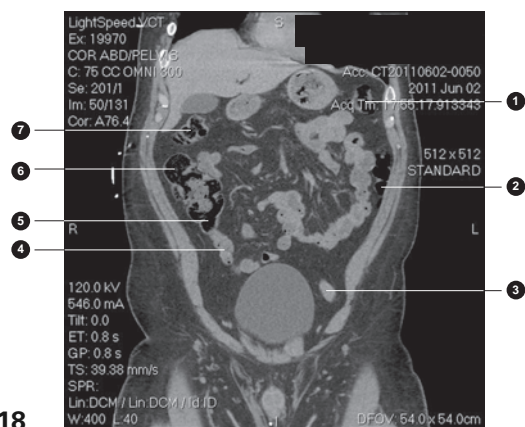
1. Which of the following is illustrated by 7?
 - ☐ A. Left lobe of the liver
 - ☐ B. Portal vein
 - ☐ C. Hepatic duct
 - ☐ D. Common bile duct
2. What number illustrates the inferior mesenteric artery?
 - ☐ A. 4
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 7
3. Which of the following is illustrated by 4?
 - ☐ A. Abdominal aorta
 - ☐ B. Portal vein
 - ☐ C. Common bile duct
 - ☐ D. Hepatic duct
4. What number illustrates the portal vein?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 5
5. Which of the following is illustrated by 2?
 - ☐ A. Left lobe of the liver
 - ☐ B. Hepatic duct
 - ☐ C. Common bile duct
 - ☐ D. Abdominal aorta



Figure 6-17



1. Which of the following is illustrated by 9?
 - ☐ A. Superior mesenteric artery
 - ☐ B. Hepatic artery
 - ☐ C. Portal vein
 - ☐ D. Common bile duct
2. What number illustrates the celiac trunk?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 7
3. Which of the following is illustrated by 4?
 - ☐ A. Left adrenal gland
 - ☐ B. Inferior vena cava
 - ☐ C. Spleen
 - ☐ D. Head of the pancreas
4. What number illustrates the pyloric antrum of the stomach?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 10
5. Which of the following is illustrated by 11?
 - ☐ A. Head of the pancreas
 - ☐ B. Pyloric antrum of the stomach
 - ☐ C. Common bile duct
 - ☐ D. Duodenum

**Figure 6-18**

- Which of the following is illustrated by 2?
 - ☐ A. Splenic flexure of the colon
 - ☐ B. Descending colon
 - ☐ C. Cecum
 - ☐ D. Ileum
- What number illustrates the sigmoid colon?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
- What number illustrates the Ileum?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 1?
 - ☐ A. Ascending colon
 - ☐ B. Sigmoid colon
 - ☐ C. Splenic flexure of the colon
 - ☐ D. Descending colon
- Which of the following is illustrated by 6?
 - ☐ A. Descending colon
 - ☐ B. Sigmoid colon
 - ☐ C. Ascending colon
 - ☐ D. Ileum

**Figure 6-19**

- Which of the following is illustrated by 2?
 - ☐ A. Splenic vein
 - ☐ B. Body of the pancreas
 - ☐ C. Portal vein
 - ☐ D. Duodenum
- What number illustrates the first part of the small bowel?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 11
 - ☐ D. 10
- What number illustrates the descending or abdominal aorta?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 9?
 - ☐ A. Liver
 - ☐ B. Spleen
 - ☐ C. Body of the pancreas
 - ☐ D. Pyloric antrum of the stomach
- Which of the following is illustrated by 1?
 - ☐ A. Descending colon
 - ☐ B. Transverse colon
 - ☐ C. Ascending colon
 - ☐ D. Duodenum

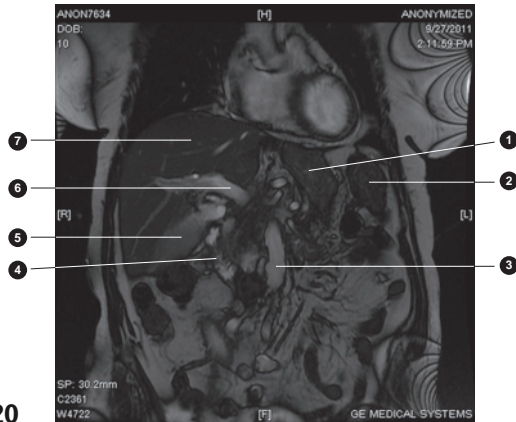


Figure 6-20

1. What number illustrates the stomach?
☐ A. 6
☐ B. 5
☐ C. 1
☐ D. 7
2. Which of the following is illustrated by 7?
☐ A. Gallbladder
☐ B. Liver
☐ C. Splenic flexure of the colon
☐ D. Duodenum
3. Which of the following is illustrated by 4?
☐ A. Duodenum
☐ B. Portal vein
☐ C. Abdominal aorta
☐ D. Liver
4. What number illustrates abdominal aorta?
☐ A. 3
☐ B. 1
☐ C. 7
☐ D. 4
5. Which of the following is illustrated by 5?
☐ A. Liver
☐ B. Portal vein
☐ C. Stomach
☐ D. Gallbladder

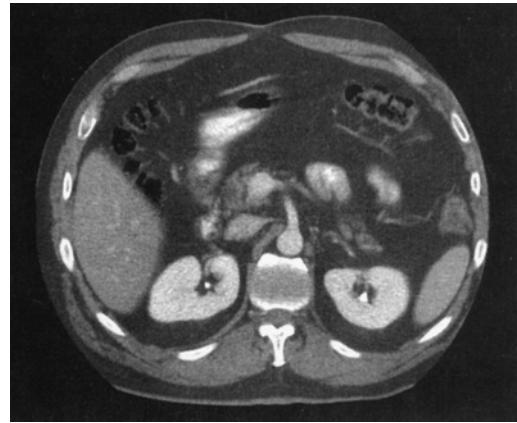


Figure 6-21

1. What number illustrates the vein carrying nutrient-rich venous blood to the liver?
☐ A. 6
☐ B. 5
☐ C. 8
☐ D. 7
2. Which of the following is illustrated by 9?
☐ A. Transverse colon
☐ B. Duodenum
☐ C. Hepatic flexure of the colon
☐ D. Descending colon
3. Which of the following is illustrated by 5?
☐ A. Celiac trunk
☐ B. Superior mesenteric artery
☐ C. Inferior mesenteric artery
☐ D. Inferior vena cava
4. What number illustrates the descending colon?
☐ A. 3
☐ B. 1
☐ C. 9
☐ D. 4
5. Which of the following is illustrated by 4?
☐ A. Adrenal gland
☐ B. Ascending colon
☐ C. Spleen
☐ D. Liver

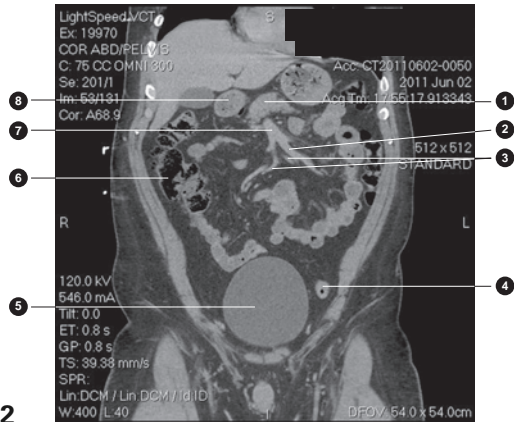


Figure 6-22

1. Which of the following is illustrated by 8?
 - ☐ A. Pyloric part of the stomach
 - ☐ B. Bladder
 - ☐ C. Sigmoid colon
 - ☐ D. Superior mesenteric vein
2. Which of the following is illustrated by 3?
 - ☐ A. Pyloric part of the stomach
 - ☐ B. Bladder
 - ☐ C. Head of the pancreas
 - ☐ D. Superior mesenteric vein
3. What number illustrates the branches of superior mesenteric artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
4. What number illustrates the ascending colon?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 7
5. Which of the following is illustrated by 1?
 - ☐ A. Superior mesenteric vein
 - ☐ B. Ascending colon
 - ☐ C. Portal vein
 - ☐ D. Head of the pancreas

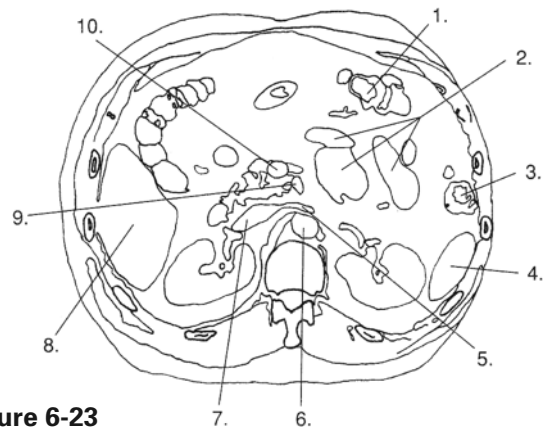
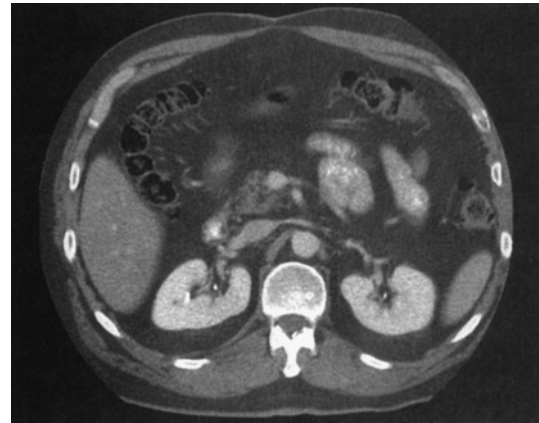


Figure 6-23

1. Which of the following is illustrated by 10?
 - ☐ A. Portal vein
 - ☐ B. Common bile duct
 - ☐ C. Superior mesenteric artery
 - ☐ D. Superior mesenteric vein
2. Which of the following is illustrated by 5?
 - ☐ A. Inferior mesenteric vein
 - ☐ B. Left renal vein
 - ☐ C. Crus of diaphragm
 - ☐ D. Superior mesenteric vein
3. What number illustrates the loops of the small bowel?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
4. What number illustrates the superior mesenteric artery?
 - ☐ A. 10
 - ☐ B. 5
 - ☐ C. 9
 - ☐ D. 7
5. Which of the following is illustrated by 3?
 - ☐ A. Loops of the small bowel
 - ☐ B. Ascending colon
 - ☐ C. Transverse colon
 - ☐ D. Descending colon

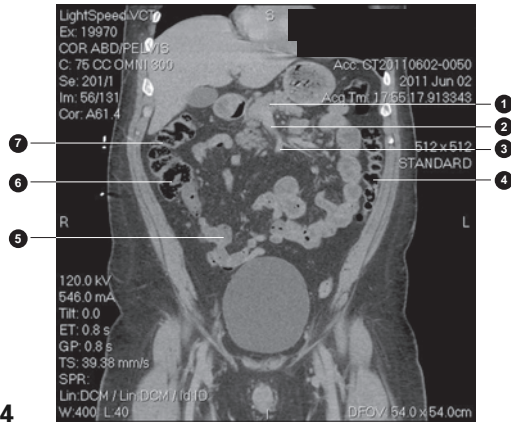


Figure 6-24

- Which of the following is illustrated by 4?
 - ☐ A. Hepatic flexure of the colon
 - ☐ B. Descending colon
 - ☐ C. Ileum
 - ☐ D. Superior mesenteric artery
- What number illustrates the superior mesenteric artery?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 5
- Which of the following is illustrated by 7?
 - ☐ A. Adrenal gland
 - ☐ B. Kidney
 - ☐ C. Head of the pancreas
 - ☐ D. Hepatic flexure of the colon
- What number illustrates the ascending colon?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 1
 - ☐ D. 7
- Which of the following is illustrated by 5?
 - ☐ A. Renal vein
 - ☐ B. Renal artery
 - ☐ C. Superior mesenteric vein
 - ☐ D. Ileum



Figure 6-25

- Which of the following is illustrated by 4?
 - ☐ A. Left renal vein
 - ☐ B. Renal artery
 - ☐ C. Inferior mesenteric vein
 - ☐ D. Inferior mesenteric artery
- What number illustrates the inferior vena cava?
 - ☐ A. 6
 - ☐ B. 9
 - ☐ C. 7
 - ☐ D. 5
- Which of the following is illustrated by 8?
 - ☐ A. Adrenal gland
 - ☐ B. Kidney
 - ☐ C. Loops of the small bowel
 - ☐ D. Hepatic flexure of the colon
- What number illustrates the hepatic flexure of colon?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 11
- Which of the following is illustrated by 5?
 - ☐ A. Renal vein
 - ☐ B. Renal artery
 - ☐ C. Superior mesenteric vein
 - ☐ D. Superior mesenteric artery

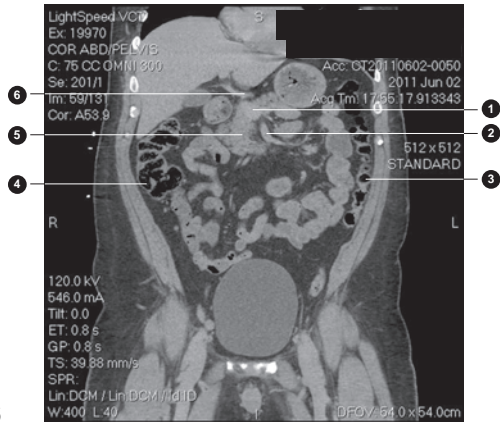


Figure 6-26

1. Which of the following is illustrated by 3?
 - ☐ A. Descending colon
 - ☐ B. Portal vein
 - ☐ C. Head of the pancreas
 - ☐ D. Adrenal gland
2. What number illustrates the portal vein?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 6
3. What number illustrates the hepatic artery?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 2
 - ☐ D. 5
4. Which of the following is illustrated by 4?
 - ☐ A. Head of the pancreas
 - ☐ B. Loops of the small bowel
 - ☐ C. Ascending colon
 - ☐ D. Descending colon
5. Which of the following is illustrated by 5?
 - ☐ A. Descending colon
 - ☐ B. Descending aorta
 - ☐ C. Portal vein
 - ☐ D. Head of the pancreas

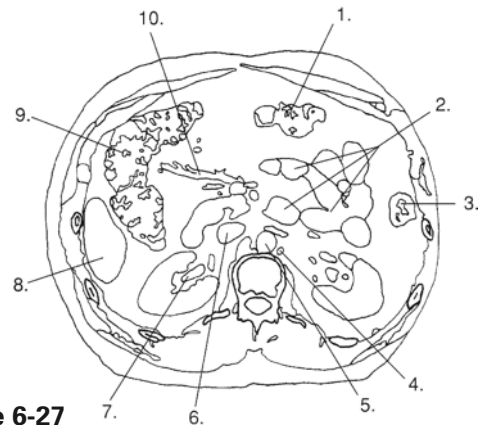


Figure 6-27

1. Which of the following is illustrated by 8?
 - ☐ A. Descending colon
 - ☐ B. Spleen
 - ☐ C. Liver
 - ☐ D. Adrenal gland
2. What number illustrates the hemiazygos vein?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 6
3. What number illustrates the right renal pelvis?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 5
4. Which of the following is illustrated by 10?
 - ☐ A. Portal vein
 - ☐ B. Loops of the small bowel
 - ☐ C. Common bile duct
 - ☐ D. Mesenteric vessels
5. Which of the following is illustrated by 5?
 - ☐ A. Hemiazygos vein
 - ☐ B. Descending aorta
 - ☐ C. Inferior vena cava
 - ☐ D. Inferior mesenteric artery

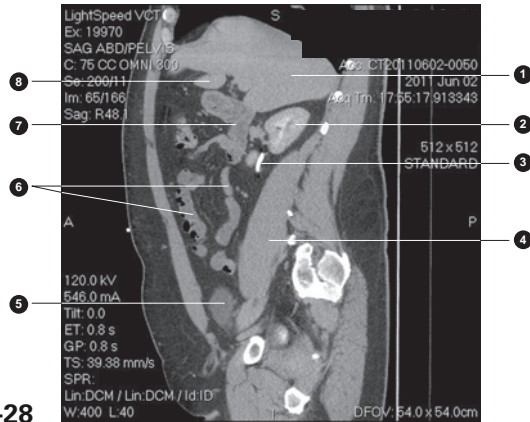


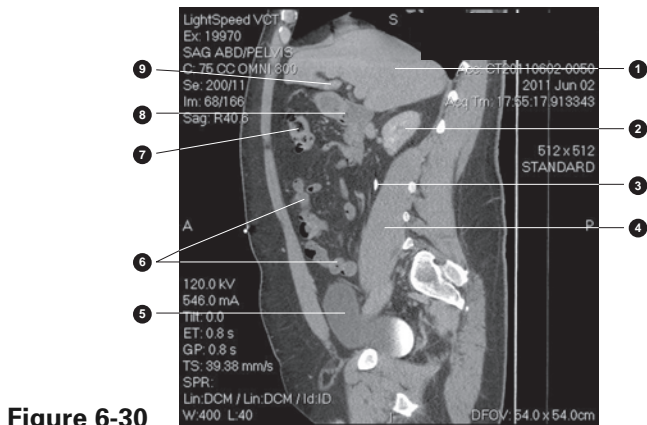
Figure 6-28

1. What number illustrates the ureter?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 6
2. Which of the following is illustrated by 6?
 - ☐ A. Duodenum
 - ☐ B. Liver
 - ☐ C. Ureter
 - ☐ D. Small bowel
3. Which of the following is illustrated by 8?
 - ☐ A. Quadrate lobe of the liver
 - ☐ B. Kidney
 - ☐ C. Gallbladder
 - ☐ D. Loops of the small bowel
4. Which of the following is illustrated by 2?
 - ☐ A. Bladder
 - ☐ B. Small bowel
 - ☐ C. Liver
 - ☐ D. Kidney
5. What number illustrates the liver?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 7

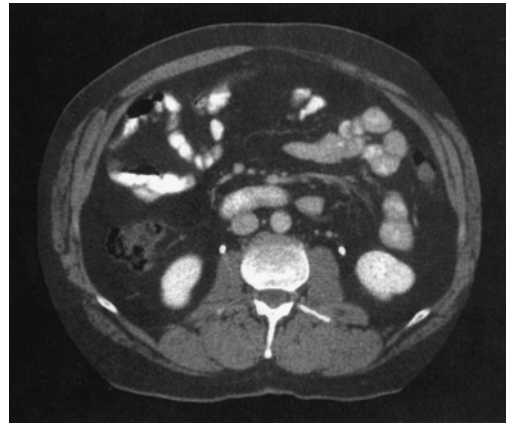


Figure 6-29

1. What number illustrates the abdominal aorta?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 6
2. Which of the following is illustrated by 6?
 - ☐ A. Right renal vein
 - ☐ B. Right renal artery
 - ☐ C. Right ureter
 - ☐ D. Azygos vein
3. Which of the following is illustrated by 8?
 - ☐ A. Celiac vessels
 - ☐ B. Superior mesenteric vessels
 - ☐ C. Inferior mesenteric vessels
 - ☐ D. Loops of the small bowel
4. Which of the following is illustrated by 3?
 - ☐ A. Ascending colon
 - ☐ B. Small bowel
 - ☐ C. Cecum
 - ☐ D. Descending colon
5. What number illustrates the ascending colon?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 7

**Figure 6-30**

1. Which of the following is illustrated by 1?
 - ☐ A. Liver
 - ☐ B. Duodenum
 - ☐ C. Descending colon
 - ☐ D. Loops of the small bowel
2. Which of the following is illustrated by 3?
 - ☐ A. Adrenal gland
 - ☐ B. Right ureter
 - ☐ C. Kidney
 - ☐ D. Spleen
3. What number illustrates the duodenum?
 - ☐ A. 8
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 7
4. What number illustrates the bladder?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 7
5. Which of the following is illustrated by 4?
 - ☐ A. Right ureter
 - ☐ B. Transverse colon
 - ☐ C. Psoas muscle
 - ☐ D. Portal vein

**Figure 6-31**

1. Which of the following is illustrated by 1?
 - ☐ A. Ascending colon
 - ☐ B. Transverse colon
 - ☐ C. Descending colon
 - ☐ D. Loops of the small bowel
2. Which of the following is illustrated by 3?
 - ☐ A. Adrenal gland
 - ☐ B. Lower pole of the left kidney
 - ☐ C. Ascending colon
 - ☐ D. Spleen
3. What number illustrates the duodenum?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 6
 - ☐ D. 7
4. What number illustrates the inferior vena cava?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 7
5. Which of the following is illustrated by 4?
 - ☐ A. Left ureter
 - ☐ B. Left renal vein
 - ☐ C. Left renal artery
 - ☐ D. Hemiazygos vein

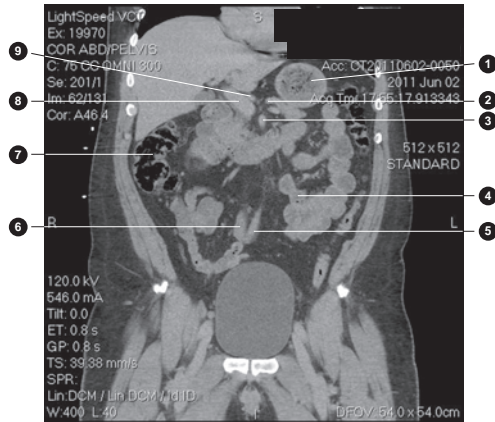


Figure 6-32

1. What number illustrates the right common iliac artery?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4
2. Which of the following is illustrated by 6?
 - ☐ A. Small bowel
 - ☐ B. Right common iliac vein
 - ☐ C. Descending colon
 - ☐ D. Cecum
3. What number illustrates the common hepatic artery?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 9
4. Which of the following is illustrated by 2?
 - ☐ A. Fundus of the stomach
 - ☐ B. Splenic artery
 - ☐ C. Cecum
 - ☐ D. Descending colon
5. Which of the following is illustrated by 8?
 - ☐ A. Splenic artery
 - ☐ B. Common hepatic artery
 - ☐ C. Portal vein
 - ☐ D. Right renal artery

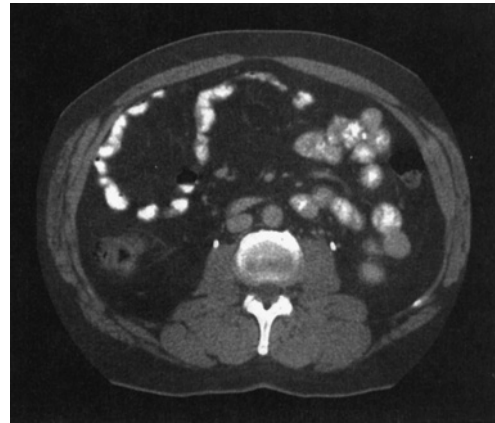


Figure 6-33

1. What number illustrates the abdominal aorta?
 - ☐ A. 3
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4
2. Which of the following is illustrated by 2?
 - ☐ A. Small bowel
 - ☐ B. Ascending colon
 - ☐ C. Descending colon
 - ☐ D. Cecum
3. What number illustrates the inferior vena cava?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
4. Which of the following is illustrated by 2?
 - ☐ A. Loops of the small bowel
 - ☐ B. Ascending colon
 - ☐ C. Cecum
 - ☐ D. Descending colon
5. Which of the following is illustrated by 5?
 - ☐ A. Inferior mesenteric artery
 - ☐ B. Right ureter
 - ☐ C. Inferior mesenteric vein
 - ☐ D. Right renal artery

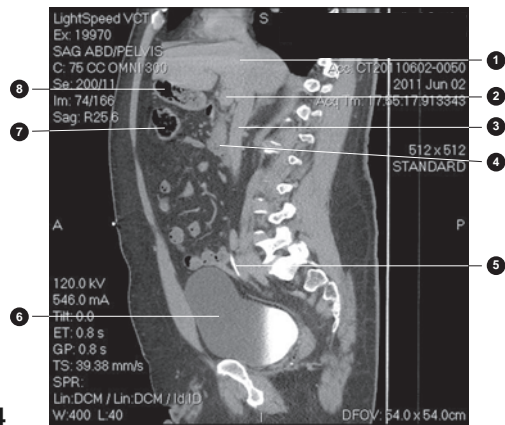


Figure 6-34

1. Which of the following is illustrated by 7?
 - ☐ A. Superior mesenteric artery
 - ☐ B. Transverse colon
 - ☐ C. Bladder
 - ☐ D. Ureter
2. Which of the following is illustrated by 1?
 - ☐ A. Ascending colon
 - ☐ B. Small bowel
 - ☐ C. Liver
 - ☐ D. Cecum
3. What number illustrates the bladder?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 8
4. Which of the following is illustrated by 2?
 - ☐ A. Transverse colon
 - ☐ B. Bladder
 - ☐ C. Right ureter
 - ☐ D. Portal vein
5. What number illustrates the inferior vena cava?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3

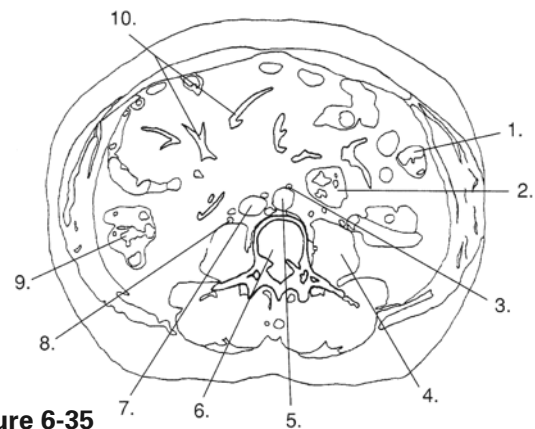
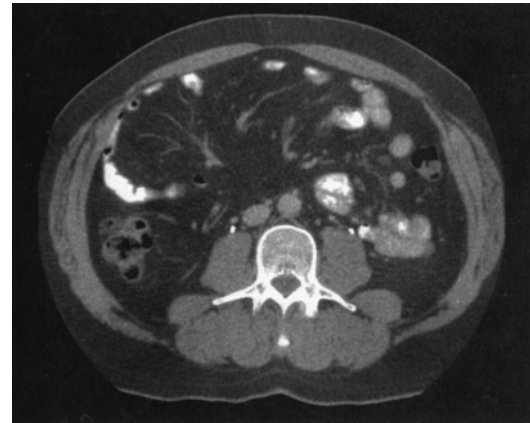


Figure 6-35

1. Which of the following is illustrated by 3?
 - ☐ A. Superior mesenteric artery
 - ☐ B. Inferior mesenteric artery
 - ☐ C. Celiac trunk
 - ☐ D. Ureter
2. Which of the following is illustrated by 1?
 - ☐ A. Ascending colon
 - ☐ B. Small bowel
 - ☐ C. Descending colon
 - ☐ D. Cecum
3. What number illustrates the ascending colon?
 - ☐ A. 10
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 9
4. Which of the following is illustrated by 2?
 - ☐ A. Small bowel
 - ☐ B. Descending colon
 - ☐ C. Transverse colon
 - ☐ D. Ascending colon
5. What number illustrates the right ureter?
 - ☐ A. 7
 - ☐ B. 10
 - ☐ C. 8
 - ☐ D. 3

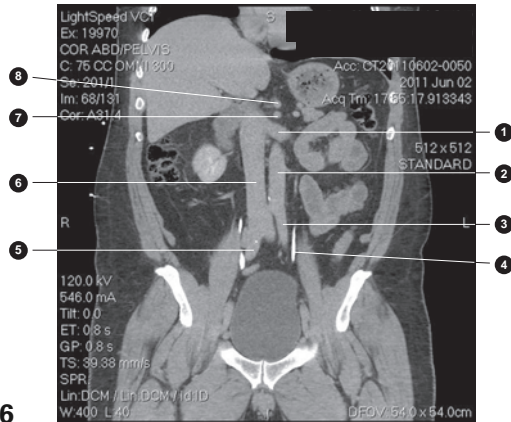


Figure 6-36

1. What number illustrates the inferior vena cava?
 - ☐ A. 6
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 5?
 - ☐ A. Left renal vein
 - ☐ B. Aorta
 - ☐ C. Right common iliac artery
 - ☐ D. Left renal vein
3. Which of the following is illustrated by 7?
 - ☐ A. Descending colon
 - ☐ B. Superior mesenteric artery
 - ☐ C. Left renal vein
 - ☐ D. Aorta
4. What number illustrates the aorta?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 6
5. Which of the following is illustrated by 4?
 - ☐ A. Descending colon
 - ☐ B. Small bowel
 - ☐ C. Ascending colon
 - ☐ D. Left ureter

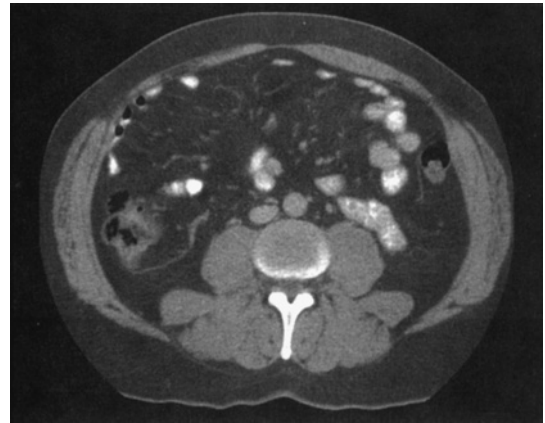
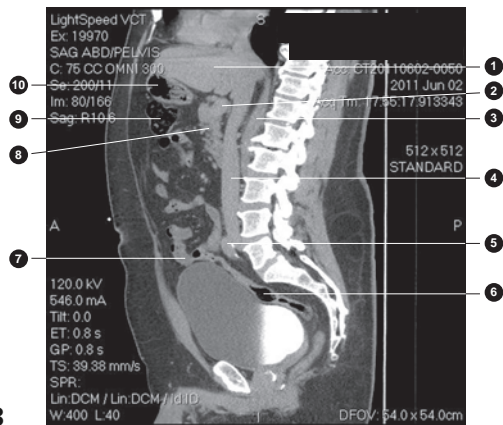


Figure 6-37

1. What number illustrates the loops of the small bowel?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 5?
 - ☐ A. Psoas muscle
 - ☐ B. Vertebral body of L3
 - ☐ C. Intervertebral disk
 - ☐ D. Vertebral body of L4
3. Which of the following is illustrated by 7?
 - ☐ A. Descending colon
 - ☐ B. Ascending colon
 - ☐ C. Small bowel
 - ☐ D. Cecum
4. What number illustrates the abdominal aorta?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 6
5. Which of the following is illustrated by 2?
 - ☐ A. Descending colon
 - ☐ B. Small bowel
 - ☐ C. Ascending colon
 - ☐ D. Cecum

**Figure 6-38**

- Which of the following is illustrated by 3?
 - ☐ A. Iliacus muscle
 - ☐ B. Right crus of the diaphragm
 - ☐ C. Transverse colon
 - ☐ D. Sigmoid colon
- What number illustrates the right common iliac artery?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 4
- Which of the following is illustrated by 8?
 - ☐ A. Cecum
 - ☐ B. Descending colon
 - ☐ C. Head of the pancreas
 - ☐ D. Jejunum
- Which of the following is illustrated by 7?
 - ☐ A. Descending colon
 - ☐ B. Ascending colon
 - ☐ C. Sigmoid colon
 - ☐ D. Rectum
- What number illustrates the pyloric part of the stomach?
 - ☐ A. 10
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 7

**Figure 6-39**

- Which of the following is illustrated by 3?
 - ☐ A. Iliacus muscle
 - ☐ B. Psoas muscle
 - ☐ C. Ascending colon
 - ☐ D. Cecum
- What number illustrates the bifurcation of the abdominal aorta?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 4
- Which of the following is illustrated by 8?
 - ☐ A. Cecum
 - ☐ B. Descending colon
 - ☐ C. Ileum
 - ☐ D. Jejunum
- Which of the following is illustrated by 7?
 - ☐ A. Descending colon
 - ☐ B. Ascending colon
 - ☐ C. Small bowel
 - ☐ D. Cecum
- What number illustrates the small bowel?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 7

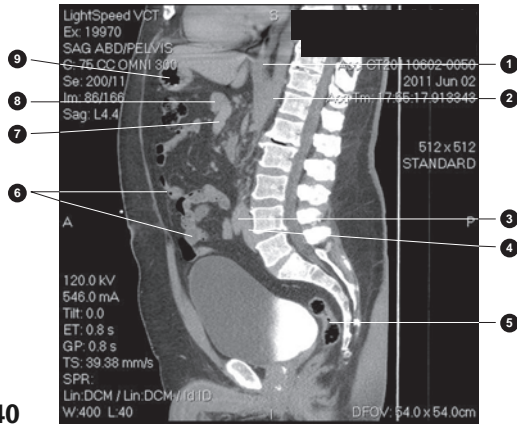


Figure 6-40

1. What number illustrates the descending aorta?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
2. Which of the following is illustrated by 8?
 - ☐ A. Right common iliac artery
 - ☐ B. Head of the pancreas
 - ☐ C. Ileum
 - ☐ D. Portal vein
3. Which of the following is illustrated by 4?
 - ☐ A. Inferior mesenteric artery
 - ☐ B. Right common iliac artery
 - ☐ C. Left common iliac vein
 - ☐ D. Descending aorta
4. Which of the following is illustrated by 1?
 - ☐ A. Right crus of diaphragm
 - ☐ B. Descending aorta
 - ☐ C. Ascending colon
 - ☐ D. Ileum
5. What number illustrates the right common iliac artery?
 - ☐ A. 5
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 3



Figure 6-41

1. What number illustrates the ureter?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 6
2. Which of the following is illustrated by 8?
 - ☐ A. Right common iliac artery
 - ☐ B. Cecum
 - ☐ C. Ileum
 - ☐ D. Jejunum
3. Which of the following is illustrated by 4?
 - ☐ A. Inferior mesenteric artery
 - ☐ B. Right common iliac artery
 - ☐ C. Inferior mesenteric vein
 - ☐ D. Inferior vena cava
4. Which of the following is illustrated by 2?
 - ☐ A. Small bowel
 - ☐ B. Descending colon
 - ☐ C. Ascending colon
 - ☐ D. Cecum
5. What number illustrates the left common iliac artery?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 5

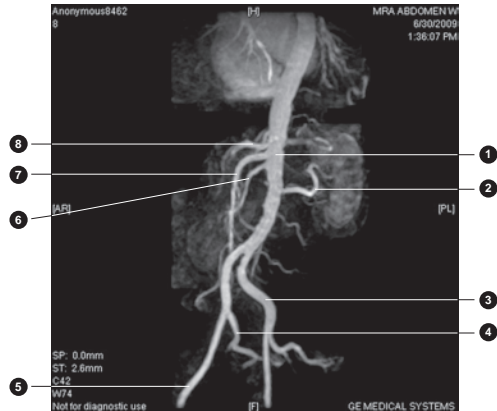


Figure 6-42

1. Which of the following is illustrated by 8?
 - ☐ A. Left common iliac artery
 - ☐ B. Celiac artery
 - ☐ C. Inferior mesenteric artery
 - ☐ D. Right common iliac artery
2. What number illustrates the left renal artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 5
3. What number illustrates the internal iliac artery?
 - ☐ A. 8
 - ☐ B. 1
 - ☐ C. 7
 - ☐ D. 4
4. Which of the following is illustrated by 5?
 - ☐ A. Abdominal artery
 - ☐ B. Left renal artery
 - ☐ C. Ext iliac artery
 - ☐ D. Celiac artery
5. Which of the following is illustrated by 6?
 - ☐ A. Left common iliac artery
 - ☐ B. Right common iliac artery
 - ☐ C. Inferior mesenteric artery
 - ☐ D. Inferior vena cava

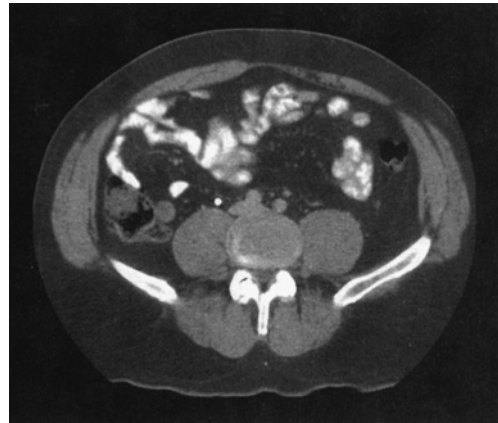


Figure 6-43

1. Which of the following is illustrated by 8?
 - ☐ A. Left common iliac artery
 - ☐ B. Ureter
 - ☐ C. Inferior mesenteric artery
 - ☐ D. Right common iliac artery
2. What number illustrates the psoas muscle?
 - ☐ A. 3
 - ☐ B. 10
 - ☐ C. 7
 - ☐ D. 5
3. What number illustrates the iliac crest?
 - ☐ A. 9
 - ☐ B. 1
 - ☐ C. 7
 - ☐ D. 4
4. Which of the following is illustrated by 5?
 - ☐ A. Vertebral body of L3
 - ☐ B. Intervertebral disk
 - ☐ C. Vertebral body of L4
 - ☐ D. Sacrum
5. Which of the following is illustrated by 6?
 - ☐ A. Left common iliac artery
 - ☐ B. Right common iliac artery
 - ☐ C. Inferior mesenteric vein
 - ☐ D. Inferior vena cava

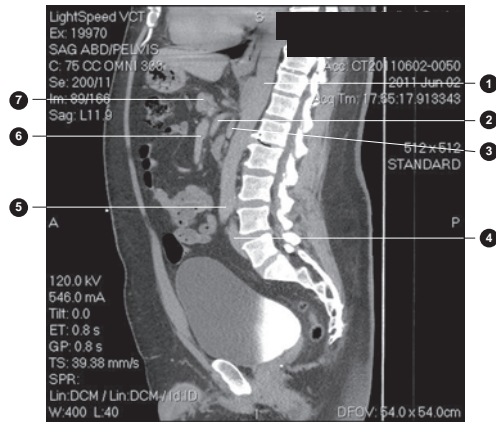


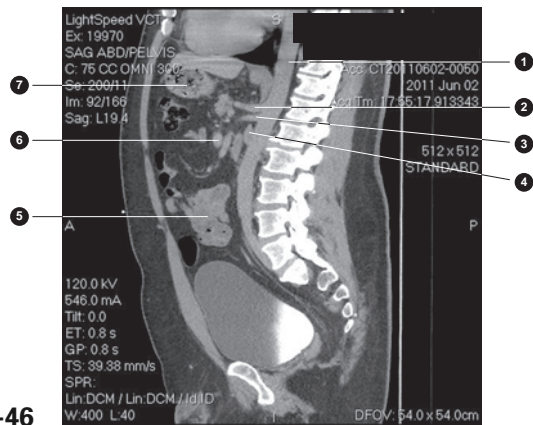
Figure 6-44

1. What number illustrates the bifurcation of the common iliac artery?
☐ A. 1
☐ B. 5
☐ C. 2
☐ D. 7
2. Which of the following is illustrated by 4?
☐ A. Left common iliac artery
☐ B. Right common iliac vein
☐ C. Left common iliac vein
☐ D. Right common iliac artery
3. What number illustrates the aorta?
☐ A. 1
☐ B. 4
☐ C. 5
☐ D. 3
4. Which of the following is illustrated by 7?
☐ A. Head of the pancreas
☐ B. Right common iliac artery
☐ C. Right ureter
☐ D. Inferior mesenteric vein
5. Which of the following is illustrated by 2?
☐ A. Portal vein
☐ B. Aorta
☐ C. Superior mesenteric artery
☐ D. Descending colon

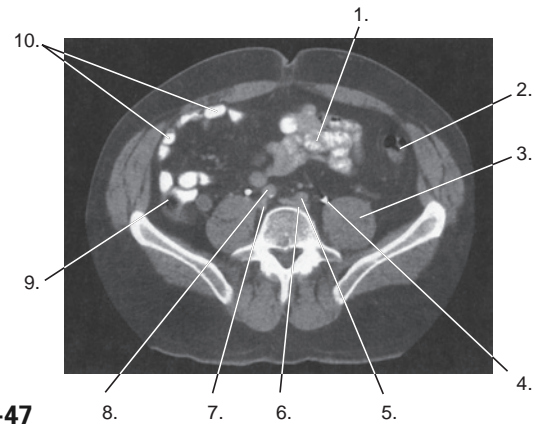


Figure 6-45

1. What number illustrates the small bowel?
☐ A. 1
☐ B. 6
☐ C. 2
☐ D. 7
2. Which of the following is illustrated by 4?
☐ A. Left common iliac artery
☐ B. Right common iliac vein
☐ C. Left common iliac vein
☐ D. Right common iliac artery
3. What number illustrates the right common iliac vein?
☐ A. 6
☐ B. 4
☐ C. 5
☐ D. 3
4. Which of the following is illustrated by 8?
☐ A. Right common iliac vein
☐ B. Right common iliac artery
☐ C. Right ureter
☐ D. Inferior mesenteric vein
5. Which of the following is illustrated by 2?
☐ A. Cecum
☐ B. Ascending colon
☐ C. Loops of the small bowel
☐ D. Descending colon

**Figure 6-46**

- Which of the following is illustrated by 5?
 - ☐ A. Small bowel
 - ☐ B. Ileum
 - ☐ C. Right common iliac vein
 - ☐ D. Celiac artery
- What number illustrates the left renal vein?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 9
- What number illustrates the celiac artery?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 2
- Which of the following is illustrated by 1?
 - ☐ A. Cecum
 - ☐ B. Celiac artery
 - ☐ C. Small bowel
 - ☐ D. Aorta
- Which of the following is illustrated by 7?
 - ☐ A. Ureter
 - ☐ B. Stomach
 - ☐ C. Portal vein
 - ☐ D. Right common iliac artery

**Figure 6-47**

- Which of the following is illustrated by 3?
 - ☐ A. Small bowel
 - ☐ B. Psoas muscle
 - ☐ C. Right common iliac vein
 - ☐ D. Cecum
- What number illustrates the cecum?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 9
- What number illustrates the ureter?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 5
- Which of the following is illustrated by 1?
 - ☐ A. Cecum
 - ☐ B. Left psoas muscle
 - ☐ C. Small bowel
 - ☐ D. Transverse colon
- Which of the following is illustrated by 7?
 - ☐ A. Ureter
 - ☐ B. Right common iliac vein
 - ☐ C. Right internal iliac vein
 - ☐ D. Right common iliac artery

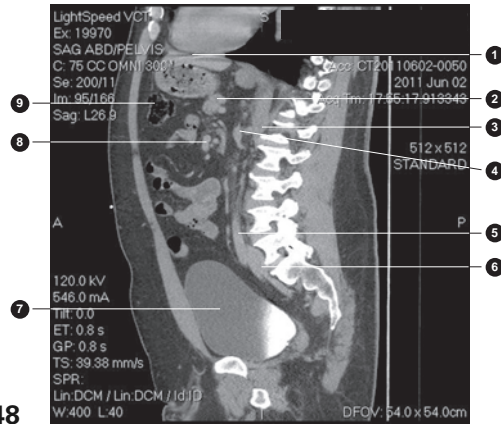


Figure 6-48

- Which of the following is illustrated by 3?
 - ☐ A. Left crus of diaphragm
 - ☐ B. Liver
 - ☐ C. Right common iliac vein
 - ☐ D. Bladder
- What number illustrates the aorta?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 9
- What number illustrates the transverse colon?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 9
- Which of the following is illustrated by 6?
 - ☐ A. Cecum
 - ☐ B. Left common iliac vein
 - ☐ C. Small bowel
 - ☐ D. Transverse colon
- Which of the following is illustrated by 7?
 - ☐ A. Bladder
 - ☐ B. Right common iliac vein
 - ☐ C. Right internal iliac vein
 - ☐ D. Right common iliac artery

CLINICAL APPLICATIONS

1. The boundary of the upper abdomen is formed by the _____, and the lower abdomen extends into the _____.
2. Which of the following is located most superiorly?
☐ A. Transverse colon
☐ B. Hepatic flexure
☐ C. Splenic flexure
☐ D. Jejunum
3. Which of the following is not supplied by the inferior mesenteric artery?
☐ A. Sigmoid colon
☐ B. Ascending colon
☐ C. Transverse colon
☐ D. Descending colon
4. Describe where the portal vein lies in relationship to the stomach and pancreas.

5. Which of the following structures is not considered retroperitoneal?
☐ A. Ileum
☐ B. Cecum
☐ C. Descending colon
☐ D. Kidneys
6. As the superior mesenteric vessels traverse through the head of the pancreas, is the artery or vein located farther to the right?

7. Describe the function and structure of the small intestine.

8. The stomach can be divided into three parts from superior to inferior:_____.
9. Describe the structure and function of the mesentery.

10. Which of the following would be located most anteriorly?
☐ A. Jejunum
☐ B. Spleen
☐ C. Transverse colon
☐ D. Pancreas

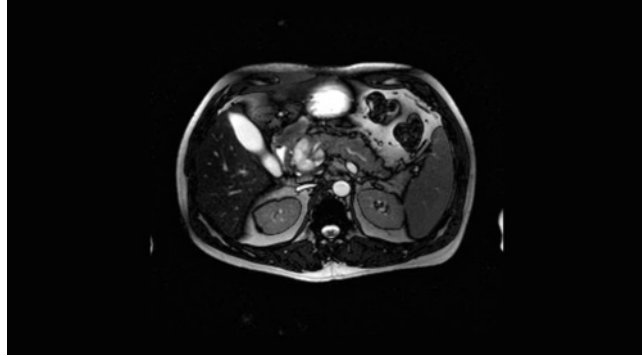
CLINICAL CORRELATIONS

Clinical Case 6-1



- If this image was generated without radiation, which of the following would best describe the procedure:
 - ☐ A. Computed tomography angiography (CTA)
 - ☐ B. Magnetic resonance angiography (MRA)
 - ☐ C. Ultrasound
 - ☐ D. Positron emission tomography/computed tomography (PET/CT)
- In this patient, the left renal artery originates from which of the following?
 - ☐ A. Right common iliac artery
 - ☐ B. Left common iliac artery
 - ☐ C. Abdominal aorta
 - ☐ D. Ascending aorta
- How many renal arteries can be seen within this patient?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
- Which of the patient's kidneys appears to have stronger arterial blood flow?
 - ☐ A. Right
 - ☐ B. Left
- A narrowing of the renal arteries would best be described by which of the following?
 - ☐ A. Dilation
 - ☐ B. Stenosis
 - ☐ C. Widening
 - ☐ D. Thinning

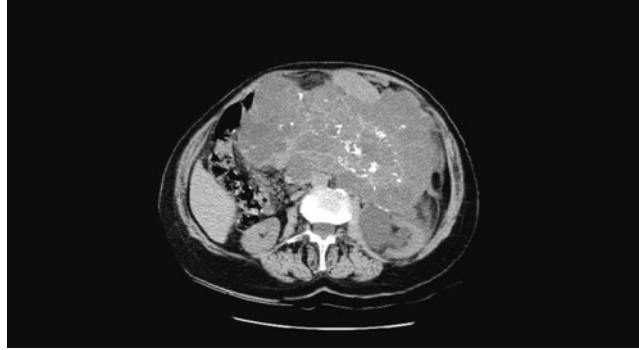
Clinical Case 6-2



1. Describe the location of the inflammation found during magnetic resonance cholangiopancreatography of this 49-year-old male patient.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

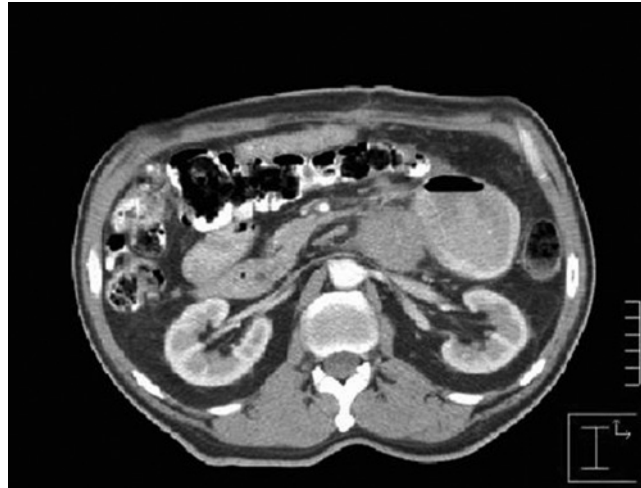
Clinical Case 6-3

1. Describe the location of the mass found in this axial CT image of the abdomen.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

Clinical Case 6-4



1. In this axial CT image, describe the location of the mass that a biopsy determined to be adenocarcinoma of the duodenum.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 6-5

1. Describe the location of the autosomal dominant polycystic kidney disease in this axial CT image.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

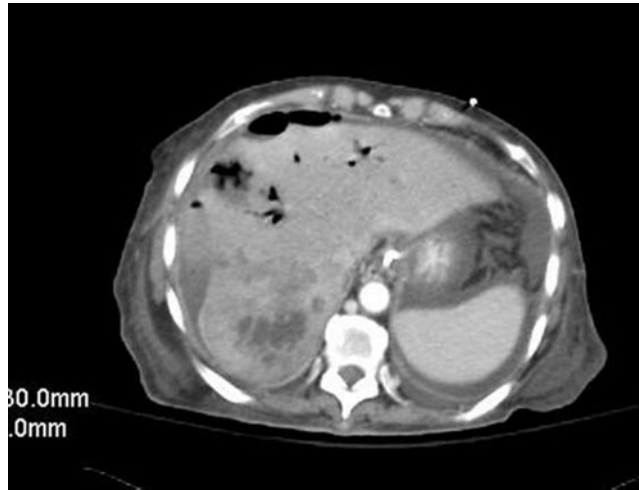
Clinical Case 6-6



1. Describe the location of the pancreatic adenocarcinoma in this axial CT image of the upper abdomen.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

Clinical Case 6-7

1. Describe the location of the liver abscess in this axial CT image of the upper abdomen.

3. Describe the consistency, shape, and border.

2. Describe the changes in adjacent tissues.

CHAPTER 7

Male and Female Pelvis

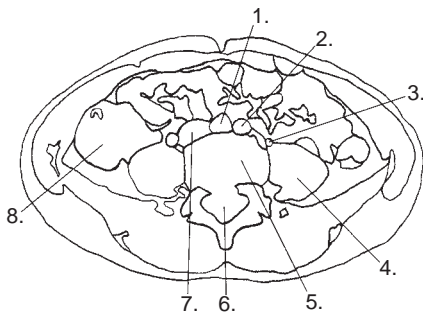
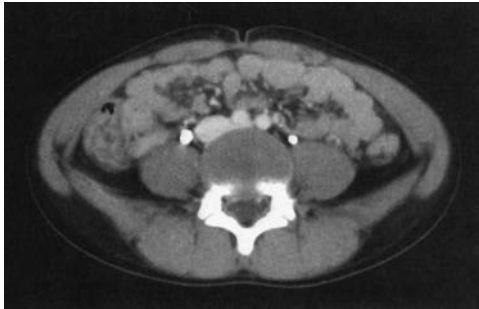


Figure 7-1

1. Which of the following is illustrated by 2?
 - ☐ A. Abdominal aorta
 - ☐ B. Inferior vena cava
 - ☐ C. Common iliac artery
 - ☐ D. Common iliac vein
2. Which of the following is illustrated by 6?
 - ☐ A. Intervertebral foramen
 - ☐ B. Vertebral foramen
 - ☐ C. Vertebral body
 - ☐ D. Intervertebral disk
3. Which number illustrates the psoas muscle?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 7?
 - ☐ A. Common iliac vein
 - ☐ B. Common iliac artery
 - ☐ C. Abdominal aorta
 - ☐ D. Inferior vena cava
5. Which number illustrates the intervertebral disk?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 4

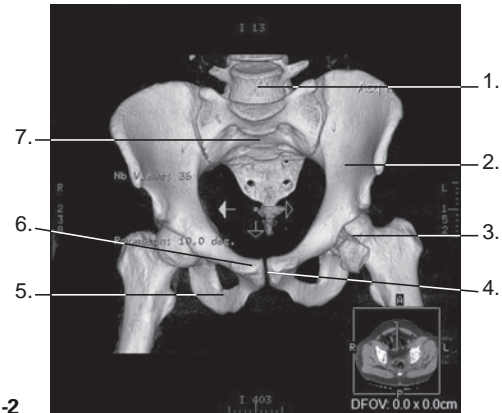


Figure 7-2

1. Which of the following is illustrated by 2?
 - ☐ A. Ilium
 - ☐ B. Pubis
 - ☐ C. Sacrum
 - ☐ D. Symphysis pubis
2. Which of the following is illustrated by 6?
 - ☐ A. Intervertebral foramen
 - ☐ B. Vertebral foramen
 - ☐ C. Pubis
 - ☐ D. L5 vertebral body
3. Which number illustrates sacrum?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 3?
 - ☐ A. Ischium
 - ☐ B. Pubis
 - ☐ C. Ilium
 - ☐ D. Head of the femur
5. Which number illustrates the L5 vertebral body?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 1



Figure 7-3

1. Which number illustrates the iliac crest?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
2. Which of the following is illustrated by 8?
 - ☐ A. Inferior vena cava
 - ☐ B. Common iliac artery
 - ☐ C. Common iliac vein
 - ☐ D. Abdominal aorta
3. Which of the following is illustrated by 7?
 - ☐ A. Ureter
 - ☐ B. Common iliac artery
 - ☐ C. Common iliac vein
 - ☐ D. Inferior mesenteric artery
4. Which number illustrates the inferior vena cava?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 1
 - ☐ D. 5
5. Which number illustrates the descending colon?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6

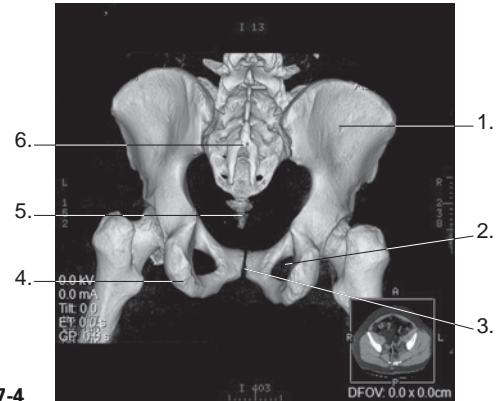


Figure 7-4

1. Which number illustrates the coccyx?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 3?
 - ☐ A. Ilium
 - ☐ B. Pubic symphysis
 - ☐ C. Coccyx
 - ☐ D. Sacrum
3. Which of the following is illustrated by 2?
 - ☐ A. Pubic symphysis
 - ☐ B. Sacrum
 - ☐ C. Coccyx
 - ☐ D. Obturator foramen
4. Which number illustrates the sacrum?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 6
5. Which number illustrates ischial tuberosity?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 6



Figure 7-5

- Which number illustrates the right common iliac artery?
☐ A. 7
☐ B. 2
☐ C. 1
☐ D. 9
- Which of the following is illustrated by 7?
☐ A. Left internal iliac vein
☐ B. Right common iliac vein
☐ C. Left external iliac artery
☐ D. Right common iliac artery
- Which of the following is illustrated by 3?
☐ A. Abdominal aorta
☐ B. Left common iliac artery
☐ C. Inferior vena cava
☐ D. Left common iliac vein
- Which number illustrates the lamina?
☐ A. 1
☐ B. 5
☐ C. 2
☐ D. 6
- Which of the following is illustrated by 8?
☐ A. External iliac artery
☐ B. Common iliac artery
☐ C. Common iliac vein
☐ D. Ureter

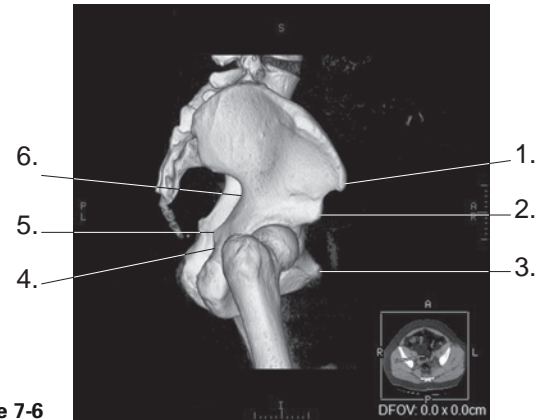


Figure 7-6

- Which number illustrates the ischial spine?
☐ A. 6
☐ B. 2
☐ C. 1
☐ D. 5
- Which of the following is illustrated by 1?
☐ A. Lesser sciatic notch
☐ B. Anterior superior iliac spine
☐ C. Pubic tubercle
☐ D. Greater sciatic notch
- Which of the following is illustrated by 3?
☐ A. Greater sciatic notch
☐ B. Ischial spine
☐ C. Pubic tubercle
☐ D. Anterior superior iliac spine
- Which number illustrates the anterior superior iliac spine?
☐ A. 4
☐ B. 5
☐ C. 2
☐ D. 1
- Which of the following is illustrated by 4?
☐ A. Ischial spine
☐ B. Anterior superior iliac spine
☐ C. Common iliac vein
☐ D. Lesser sciatic notch

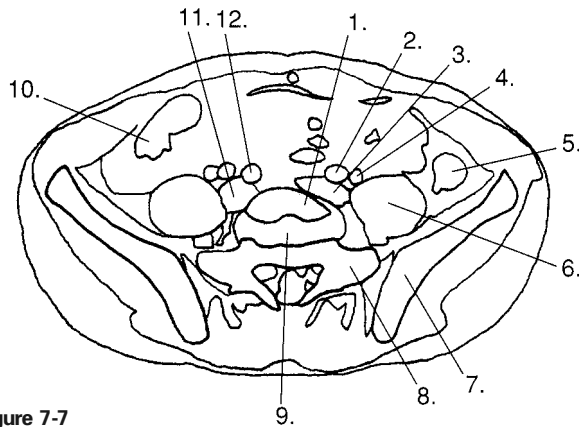


Figure 7-7

1. Which number illustrates the ilium?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 10
 - ☐ D. 7
2. Which of the following is illustrated by 1?
 - ☐ A. S1
 - ☐ B. L5
 - ☐ C. Sacrum
 - ☐ D. L4
3. Which number illustrates the cecum?
 - ☐ A. 11
 - ☐ B. 7
 - ☐ C. 10
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Left common iliac artery
 - ☐ B. Left common iliac vein
 - ☐ C. Left external iliac artery
 - ☐ D. Left external iliac vein
5. Which number illustrates the psoas muscle?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 11

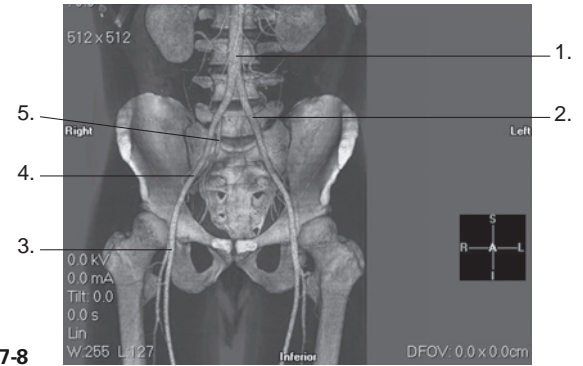


Figure 7-8

1. Which number illustrates the abdominal aorta?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 3?
 - ☐ A. Femoral artery
 - ☐ B. Common iliac artery
 - ☐ C. External iliac artery
 - ☐ D. Internal iliac artery
3. Which number illustrates the internal iliac artery?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Common iliac vein
 - ☐ B. Common iliac artery
 - ☐ C. External iliac artery
 - ☐ D. External iliac vein
5. Which number illustrates the femoral artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 1

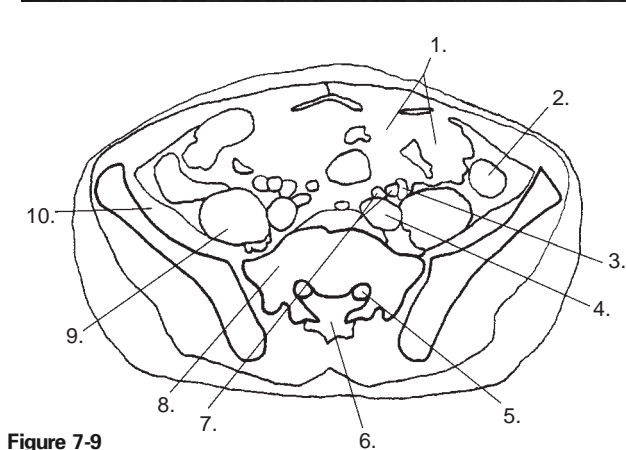


Figure 7-9

1. Which number illustrates the left common iliac vein?
☐ A. 5
☐ B. 7
☐ C. 4
☐ D. 3
2. Which of the following is illustrated by 10?
☐ A. Ileum
☐ B. Ilium
☐ C. Iliacus
☐ D. Psoas muscle
3. Which of the following is illustrated by 5?
☐ A. Ureter
☐ B. Vertebral foramen
☐ C. Common iliac vein
☐ D. Sacral canal
4. Which number illustrates the ureter?
☐ A. 5
☐ B. 3
☐ C. 7
☐ D. 2
5. Which number illustrates the psoas muscle?
☐ A. 10
☐ B. 4
☐ C. 9
☐ D. 6

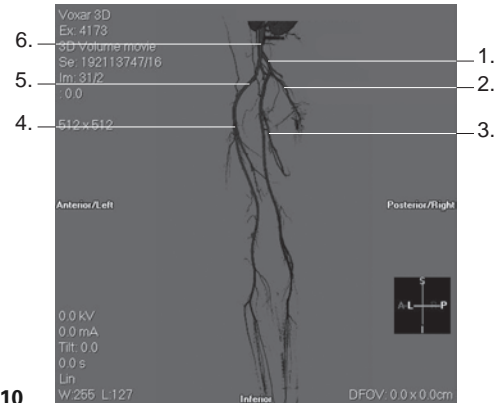


Figure 7-10

1. Which number illustrates the left external iliac artery?
☐ A. 5
☐ B. 2
☐ C. 4
☐ D. 3
2. Which of the following is illustrated by 6?
☐ A. Right common iliac artery
☐ B. Aorta
☐ C. Right deep femoral artery
☐ D. Right common iliac vein
3. Which of the following is illustrated by 2?
☐ A. Left external iliac artery
☐ B. Left femoral artery
☐ C. Right internal iliac artery
☐ D. Aorta
4. Which number illustrates the right common iliac artery?
☐ A. 5
☐ B. 3
☐ C. 1
☐ D. 2
5. Which number illustrates the right deep femoral artery?
☐ A. 1
☐ B. 4
☐ C. 2
☐ D. 3



Figure 7-11

- Which of the following is illustrated by 11?
 - ☐ A. Ileum
 - ☐ B. Cecum
 - ☐ C. Descending colon
 - ☐ D. Ascending colon
- Which number illustrates the left internal iliac artery?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
- Which number illustrates the left external iliac artery?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 5
- Which of the following is illustrated by 2?
 - ☐ A. Jejunum
 - ☐ B. Ileum
 - ☐ C. Cecum
 - ☐ D. Descending colon
- Which of the following is illustrated by 3?
 - ☐ A. Left common iliac vein
 - ☐ B. Left external iliac artery
 - ☐ C. Left internal iliac artery
 - ☐ D. Left ureter

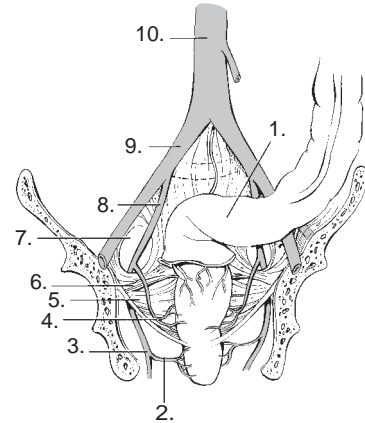


Figure 7-12

- Which of the following is illustrated by 9?
 - ☐ A. Common iliac artery
 - ☐ B. Aorta
 - ☐ C. Internal iliac artery
 - ☐ D. External iliac artery
- Which number illustrates the internal iliac artery?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 8
- Which number illustrates the sigmoid colon?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 1
- Which of the following is illustrated by 3?
 - ☐ A. Middle rectal artery
 - ☐ B. Inferior rectal artery
 - ☐ C. Internal pudendal artery
 - ☐ D. Internal iliac artery
- Which of the following is illustrated by 4?
 - ☐ A. Middle rectal artery
 - ☐ B. Internal pudendal artery
 - ☐ C. Common iliac artery
 - ☐ D. Internal iliac artery

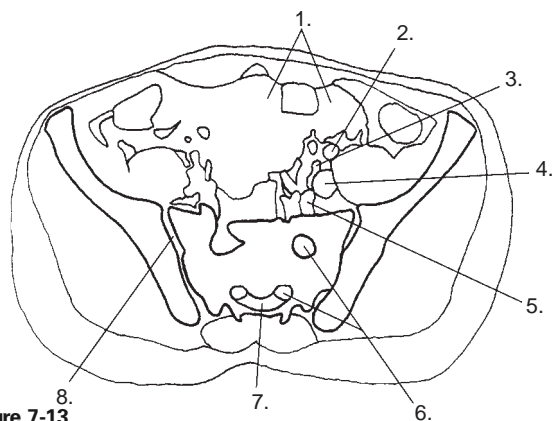


Figure 7-13

1. Which number illustrates the left common iliac vein?
☐ A. 3
☐ B. 2
☐ C. 4
☐ D. 5
2. Which of the following is illustrated by 7?
☐ A. Left sacral foramen
☐ B. Left internal iliac artery
☐ C. Sacral canal
☐ D. Intervertebral foramen
3. Which number illustrates the left sacral foramina?
☐ A. 8
☐ B. 7
☐ C. 6
☐ D. 5
4. Which of the following is illustrated by 5?
☐ A. Left internal iliac artery
☐ B. Left external iliac artery
☐ C. Left common iliac vein
☐ D. Left ureter
5. Which of the following is illustrated by 3?
☐ A. Left external iliac artery
☐ B. Left ureter
☐ C. Left external iliac vein
☐ D. Left internal iliac artery

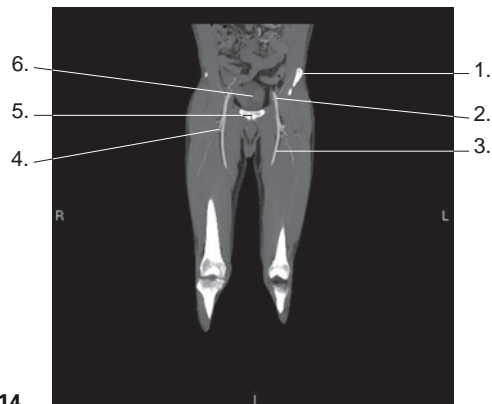


Figure 7-14

1. Which number illustrates the femoral artery?
☐ A. 3
☐ B. 2
☐ C. 1
☐ D. 5
2. Which of the following is illustrated by 6?
☐ A. Uterus
☐ B. Pubic symphysis
☐ C. Urinary bladder
☐ D. Sigmoid colon
3. Which number illustrates the anterior superior iliac spine?
☐ A. 4
☐ B. 3
☐ C. 2
☐ D. 1
4. Which of the following is illustrated by 5?
☐ A. Ischium
☐ B. Ilium
☐ C. Ischial tuberosity
☐ D. Pubic symphysis
5. Which of the following is illustrated by 2?
☐ A. Common iliac artery
☐ B. Femoral artery
☐ C. Deep femoral artery
☐ D. External iliac artery



Figure 7-15

1. Which of the following is illustrated by 5?
 - ☐ A. Small bowel
 - ☐ B. Descending colon
 - ☐ C. Top of the sigmoid colon
 - ☐ D. Top of the bladder
2. Which number illustrates the external iliac artery and vein?
 - ☐ A. 9
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 6
3. Which of the following is illustrated by 6?
 - ☐ A. Right common iliac artery and vein
 - ☐ B. Right external iliac artery and vein
 - ☐ C. Left external iliac artery and vein
 - ☐ D. Internal iliac artery and vein
4. Which number illustrates the iliacus muscle?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 4
5. Which number illustrates the ureter?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 6

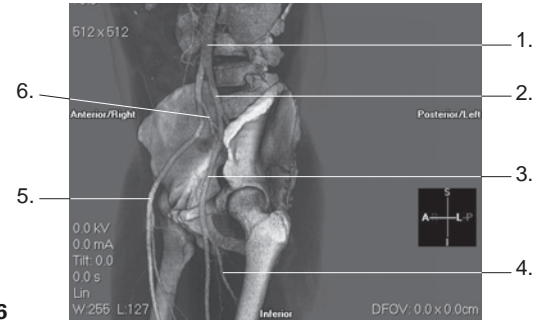
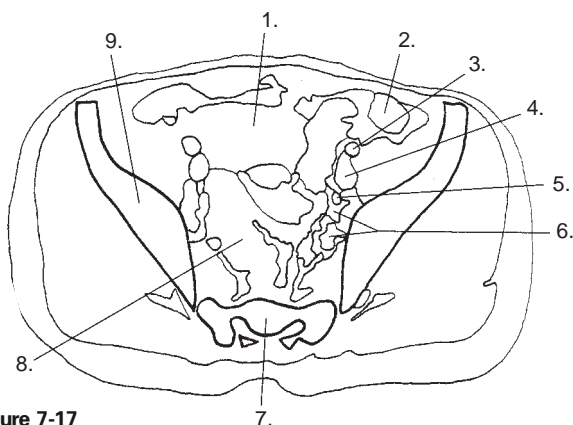
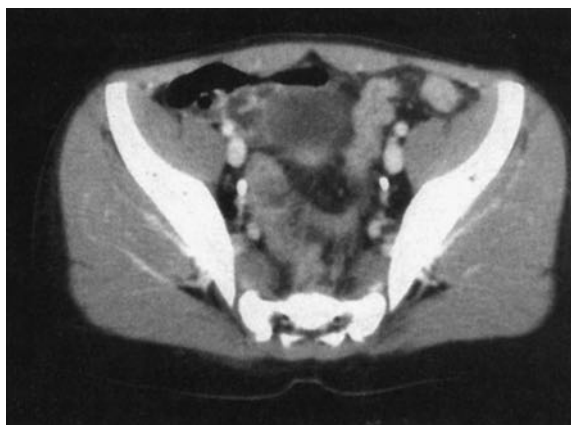
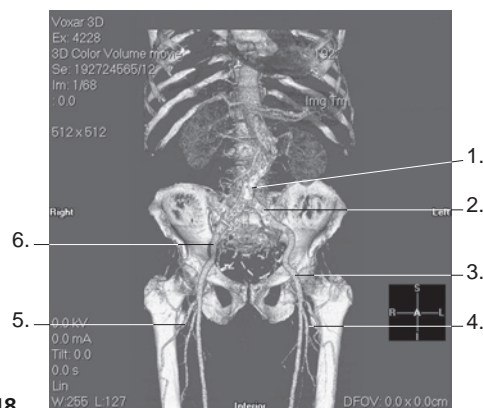


Figure 7-16

1. Which of the following is illustrated by 5?
 - ☐ A. Internal iliac artery
 - ☐ B. Aorta
 - ☐ C. Deep femoral artery
 - ☐ D. Femoral artery
2. Which number illustrates the aorta?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
3. Which of the following is illustrated by 6?
 - ☐ A. Common iliac artery
 - ☐ B. External iliac artery
 - ☐ C. Internal iliac artery
 - ☐ D. Internal iliac vein
4. Which number illustrates the common iliac artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
5. Which number illustrates the external iliac artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 5

**Figure 7-17**

- Which number illustrates the descending colon?
☐ A. 8
☐ B. 2
☐ C. 1
☐ D. 3
- Which of the following is illustrated by 1?
☐ A. Top of the sigmoid colon
☐ B. Top of the bladder
☐ C. Sacrum
☐ D. Descending colon
- Which of the following is illustrated by 4?
☐ A. Left external iliac artery
☐ B. Left ureter
☐ C. Left common iliac artery
☐ D. Left external iliac vein
- Which number illustrates the left external iliac artery?
☐ A. 4
☐ B. 3
☐ C. 5
☐ D. 2
- Which of the following is illustrated by 5?
☐ A. Left ureter
☐ B. Left external iliac artery
☐ C. Left common iliac artery
☐ D. Left external iliac vein

**Figure 7-18**

- Which number illustrates the common iliac artery?
☐ A. 2
☐ B. 4
☐ C. 1
☐ D. 3
- Which of the following is illustrated by 1?
☐ A. Aorta
☐ B. Common iliac
☐ C. Femoral artery
☐ D. Deep femoral artery
- Which of the following is illustrated by 4?
☐ A. Aorta
☐ B. Deep femoral artery
☐ C. External iliac artery
☐ D. Femoral artery
- Which number illustrates the external iliac artery?
☐ A. 4
☐ B. 3
☐ C. 5
☐ D. 6
- Which of the following is illustrated by 5?
☐ A. Descending branch of the femoral artery
☐ B. External iliac artery
☐ C. Deep femoral artery
☐ D. External iliac vein

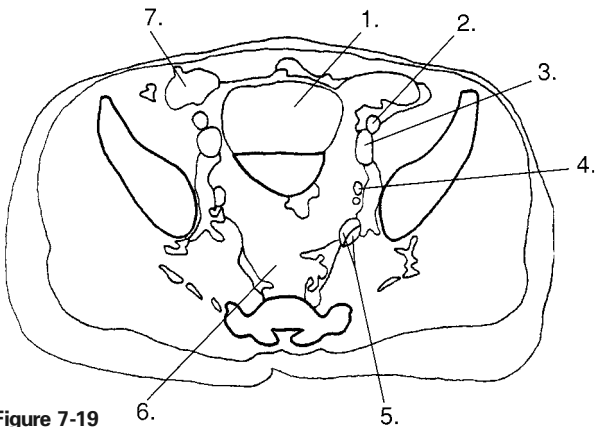


Figure 7-19

1. Which number illustrates the left external iliac artery?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
2. Which of the following is illustrated by 6?
 - ☐ A. Bladder
 - ☐ B. Uterus
 - ☐ C. Sigmoid colon
 - ☐ D. Descending colon
3. Which number illustrates the left ureter?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
4. Which of the following is illustrated by 1?
 - ☐ A. Small bowel
 - ☐ B. Bladder
 - ☐ C. Sigmoid colon
 - ☐ D. Descending colon
5. Which of the following is illustrated by 3?
 - ☐ A. Small bowel
 - ☐ B. Left ureter
 - ☐ C. Left external iliac artery
 - ☐ D. Left external iliac vein

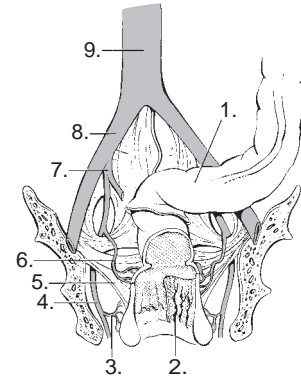


Figure 7-20

1. Which number illustrates the middle rectal vein?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 3
2. Which of the following is illustrated by 7?
 - ☐ A. Common iliac vein
 - ☐ B. Levator ani muscle
 - ☐ C. Sigmoid colon
 - ☐ D. Internal iliac vein
3. Which number illustrates the inferior vena cava?
 - ☐ A. 9
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
4. Which of the following is illustrated by 3?
 - ☐ A. Rectal venous plexus
 - ☐ B. Inferior rectal vein
 - ☐ C. Pudendal vein
 - ☐ D. Middle rectal vein
5. Which of the following is illustrated by 1?
 - ☐ A. Rectum
 - ☐ B. Ileum
 - ☐ C. Ilium
 - ☐ D. Sigmoid colon

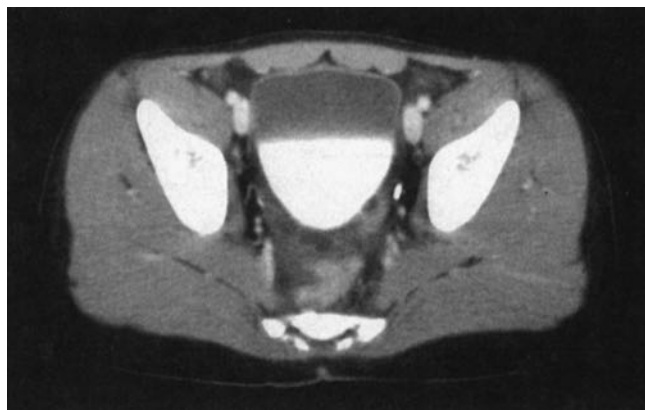


Figure 7-21

1. Which of the following is illustrated by 5?
 - ☐ A. Internal iliac vessel
 - ☐ B. External iliac vein
 - ☐ C. Ureter
 - ☐ D. External iliac artery
2. Which number illustrates the left external iliac artery?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 7?
 - ☐ A. Rectum
 - ☐ B. Sigmoid colon
 - ☐ C. Descending colon
 - ☐ D. Seminal vesicles
4. Which of the following is illustrated by 4?
 - ☐ A. Pubis
 - ☐ B. Ilium
 - ☐ C. Ischium
 - ☐ D. Femur
5. Which of the following is illustrated by 3?
 - ☐ A. Femoral artery
 - ☐ B. Ureter
 - ☐ C. External iliac artery
 - ☐ D. External iliac vein

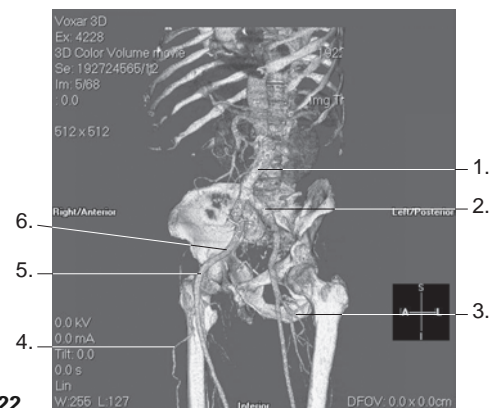


Figure 7-22

1. Which of the following is illustrated by 5?
 - ☐ A. Internal iliac artery
 - ☐ B. Femoral artery
 - ☐ C. Aorta
 - ☐ D. Common iliac
2. Which number illustrates the aorta with stent?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 3?
 - ☐ A. Deep femoral artery
 - ☐ B. Common iliac artery
 - ☐ C. Aorta
 - ☐ D. External iliac artery
4. Which of the following is illustrated by 4?
 - ☐ A. Common iliac artery
 - ☐ B. Descending branch of the femoral artery
 - ☐ C. Femoral artery
 - ☐ D. External iliac artery
5. Which of the following is illustrated by 2?
 - ☐ A. Femoral artery
 - ☐ B. Ureter
 - ☐ C. Common iliac artery
 - ☐ D. Aorta

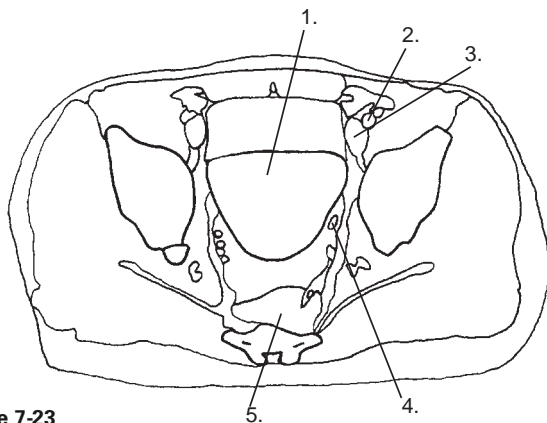
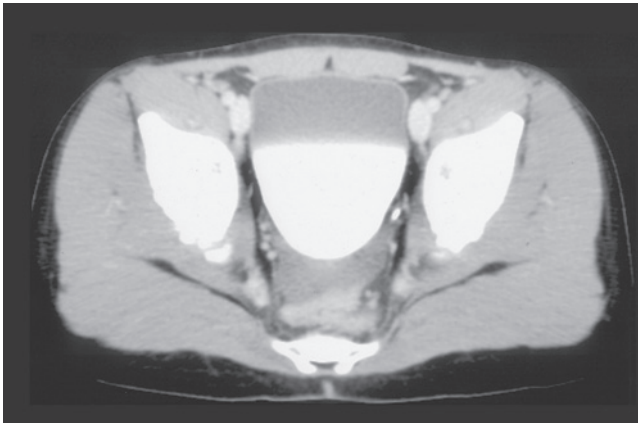


Figure 7-23

1. Which number illustrates the left external iliac vein?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
2. Which of the following is illustrated by 5?
 - ☐ A. Rectum
 - ☐ B. Seminal vesicles
 - ☐ C. Sigmoid colon
 - ☐ D. Prostate gland
3. Which of the following is illustrated by 4?
 - ☐ A. Left seminal vesicle
 - ☐ B. Left ureter
 - ☐ C. Left external iliac artery
 - ☐ D. Left external iliac vein
4. Which number illustrates the bladder?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 2
5. Which number illustrates the left external iliac artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1

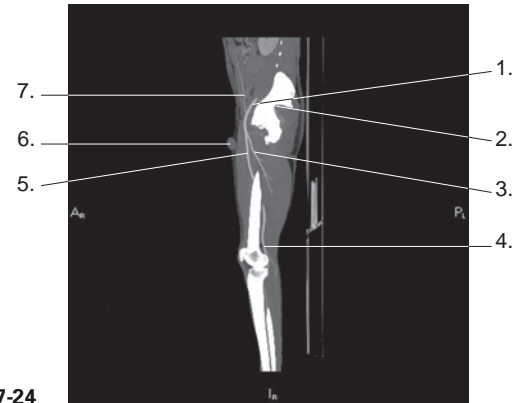


Figure 7-24

1. Which number illustrates the greater sciatic notch?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 4
2. Which of the following is illustrated by 6?
 - ☐ A. Rectum
 - ☐ B. Testicle
 - ☐ C. Sigmoid colon
 - ☐ D. Prostate gland
3. Which of the following is illustrated by 4?
 - ☐ A. Deep femoral artery
 - ☐ B. Femoral artery
 - ☐ C. Left external iliac artery
 - ☐ D. Popliteal artery
4. Which number illustrates the superficial epigastric artery?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 7
5. Which number illustrates the external iliac artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1

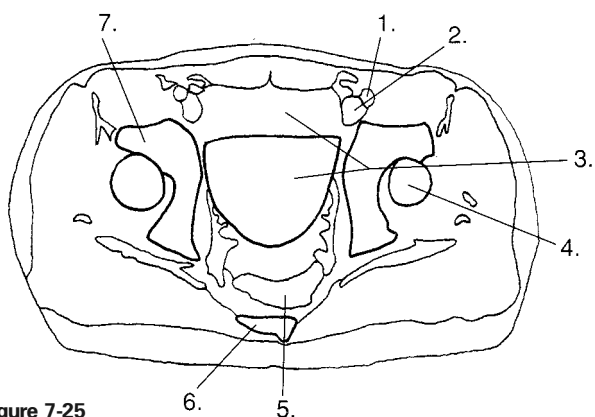
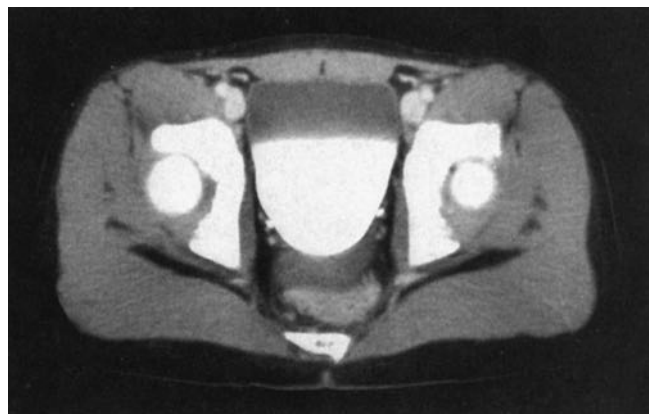


Figure 7-25

1. Which number illustrates the tip of the sacrum?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 6
2. Which of the following is illustrated by 1?
 - ☐ A. External iliac vein
 - ☐ B. External iliac artery
 - ☐ C. Spermatic cord
 - ☐ D. Femoral artery
3. Which of the following is illustrated by 7?
 - ☐ A. Right ischium
 - ☐ B. Right ilium
 - ☐ C. Right pubis
 - ☐ D. Greater trochanter of the femur
4. Which number illustrates the head of the femur?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 1
5. Which number illustrates the external iliac artery?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 5

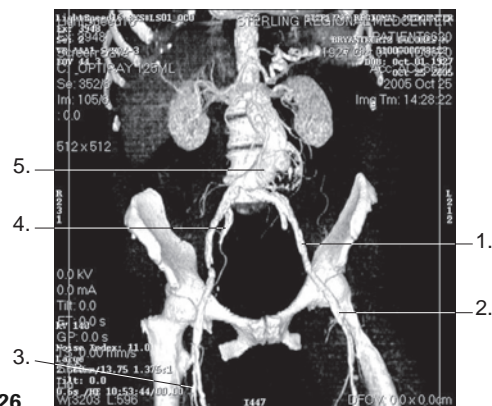


Figure 7-26

1. Which number illustrates the aorta?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
2. Which of the following is illustrated by 1?
 - ☐ A. Descending branch of the femoral artery
 - ☐ B. External iliac artery
 - ☐ C. Internal iliac artery
 - ☐ D. Femoral artery
3. Which of the following is illustrated by 3?
 - ☐ A. Internal iliac artery
 - ☐ B. Deep femoral artery
 - ☐ C. External iliac artery
 - ☐ D. Femoral artery
4. Which number illustrates the femoral artery?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
5. Which number illustrates the internal iliac artery?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4

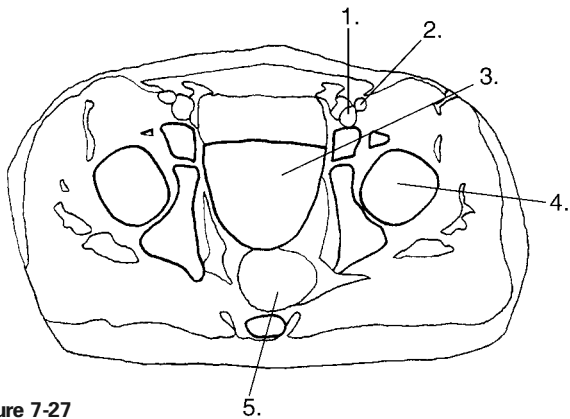
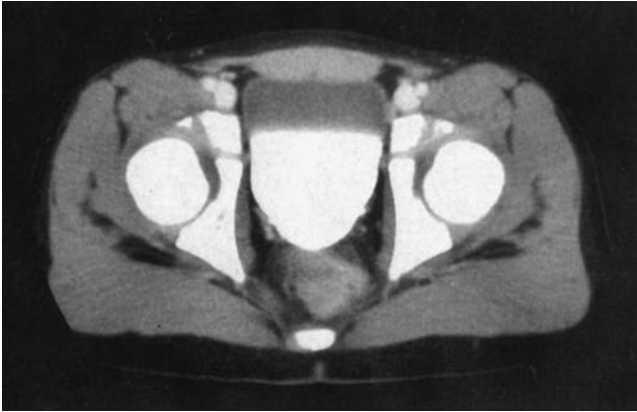


Figure 7-27

1. Which number illustrates the head of the femur?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
2. Which of the following is illustrated by 4?
 - ☐ A. Head of the right femur
 - ☐ B. Head of the left femur
 - ☐ C. Right ilium
 - ☐ D. Left ilium
3. Which number illustrates the femoral artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 1?
 - ☐ A. Right external iliac vein
 - ☐ B. Left external iliac vein
 - ☐ C. Right femoral vein
 - ☐ D. Left femoral vein
5. Which of the following is illustrated by 5?
 - ☐ A. Seminal vesicles
 - ☐ B. Sigmoid colon
 - ☐ C. Rectum
 - ☐ D. Bladder

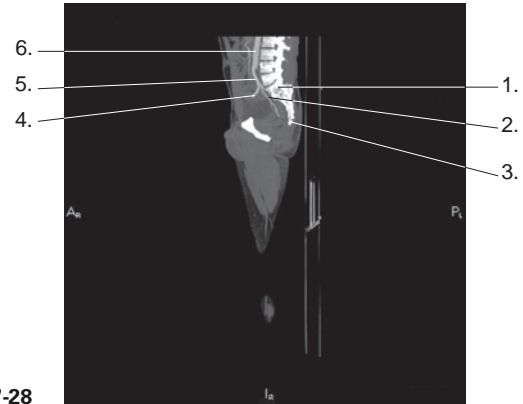
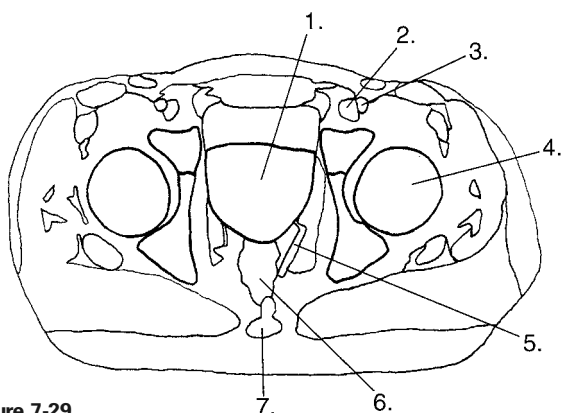
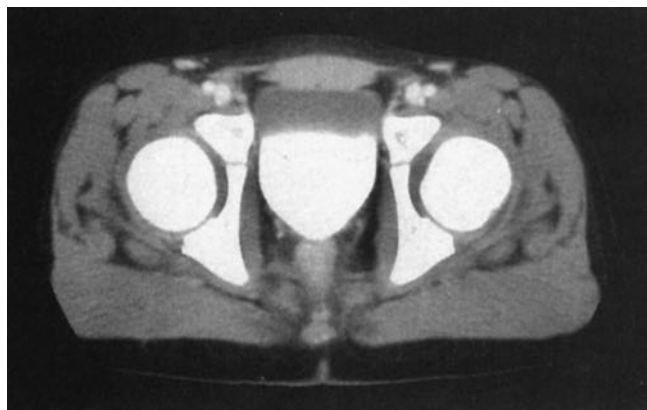
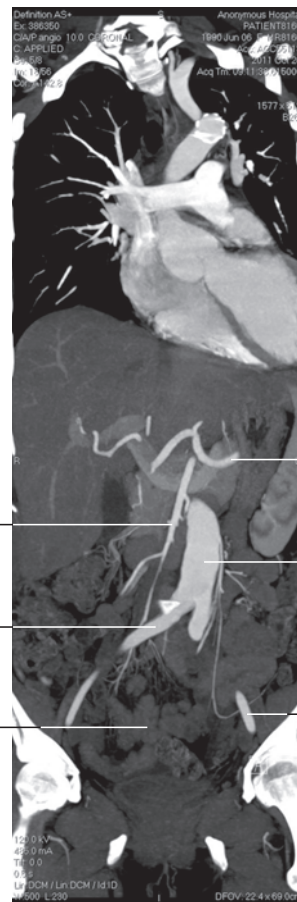


Figure 7-28

1. Which number illustrates the sacrum?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
2. Which of the following is illustrated by 4?
 - ☐ A. Femoral artery
 - ☐ B. Internal iliac artery
 - ☐ C. External iliac artery
 - ☐ D. Aorta
3. Which number illustrates the aorta?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 6
4. Which of the following is illustrated by 3?
 - ☐ A. Sacrum
 - ☐ B. Coccyx
 - ☐ C. External iliac artery
 - ☐ D. Aorta
5. Which of the following is illustrated by 5?
 - ☐ A. Aorta
 - ☐ B. Internal iliac artery
 - ☐ C. External iliac artery
 - ☐ D. Common iliac artery

**Figure 7-29**

- Which of the following is illustrated by 2?
 - ☐ A. Right external iliac vein
 - ☐ B. Left femoral vein
 - ☐ C. Left external iliac vein
 - ☐ D. Right femoral vein
- Which number illustrates the coccyx?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 7
- Which number illustrates the pelvic diaphragm?
 - ☐ A. 1
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3
- Which of the following is illustrated by 1?
 - ☐ A. Coccyx
 - ☐ B. Head of the left femur
 - ☐ C. Bladder
 - ☐ D. Rectum
- Which number illustrates the rectum?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 1

**Figure 7-30**

- Which of the following is illustrated by 2?
 - ☐ A. Aorta
 - ☐ B. Splenic artery
 - ☐ C. External iliac artery
 - ☐ D. Internal iliac artery
- Which number illustrates the superior mesenteric artery?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
- Which number illustrates the splenic artery?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
- Which of the following is illustrated by 4?
 - ☐ A. Broad ligament
 - ☐ B. Ileum
 - ☐ C. Cecum
 - ☐ D. Sigmoid
- Which number illustrates the external iliac artery?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 1

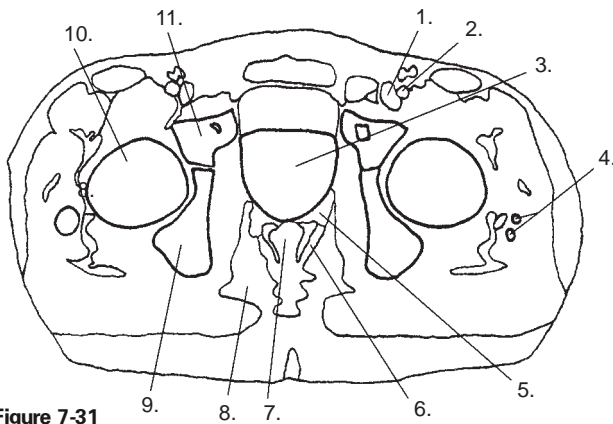
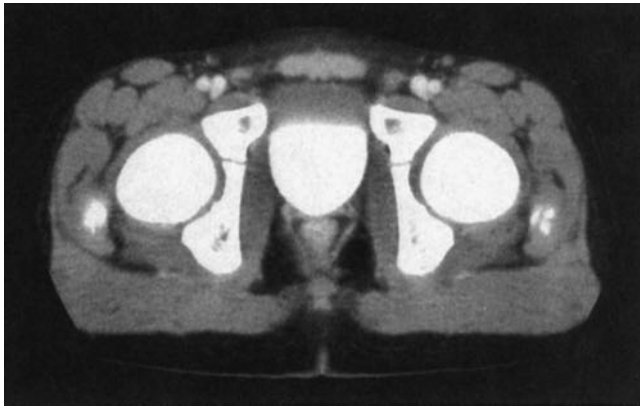


Figure 7-31

1. Which of the following is illustrated by 9?
 - ☐ A. Right pubis
 - ☐ B. Right ileum
 - ☐ C. Right ischium
 - ☐ D. Right ilium
2. Which number illustrates the pelvic diaphragm?
 - ☐ A. 5
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 6
3. Which of the following is illustrated by 1?
 - ☐ A. Femoral vein
 - ☐ B. Femoral artery
 - ☐ C. External iliac artery
 - ☐ D. External iliac vein
4. Which number illustrates the pubis?
 - ☐ A. 10
 - ☐ B. 9
 - ☐ C. 11
 - ☐ D. 3
5. Which number illustrates the seminal vesicle?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 8

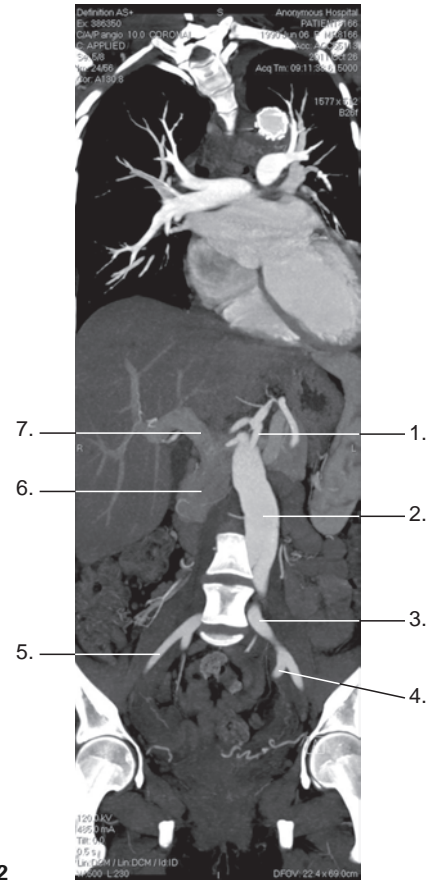


Figure 7-32

1. Which of the following is illustrated by 7?
 - ☐ A. Aorta
 - ☐ B. Celiac trunk
 - ☐ C. Inferior vena cava
 - ☐ D. Hepatic vein
2. Which number illustrates the celiac trunk?
 - ☐ A. 2
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 3
3. Which of the following is illustrated by 3?
 - ☐ A. Internal iliac artery
 - ☐ B. External iliac artery
 - ☐ C. Common iliac artery
 - ☐ D. Aorta
4. Which number illustrates the inferior vena cava?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 6
5. Which number illustrates the external iliac artery?
 - ☐ A. 7
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 4

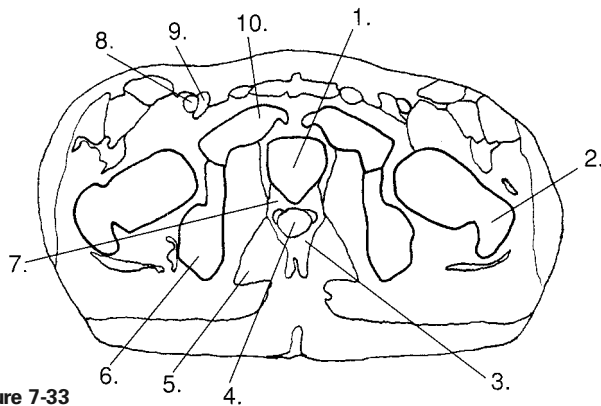
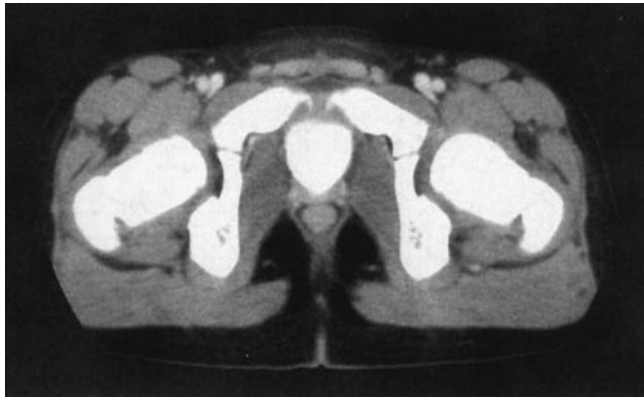


Figure 7-33

1. Which number illustrates the right femoral vein?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 9
2. Which of the following is illustrated by 7?
 - ☐ A. Seminal vesicle
 - ☐ B. Adnexal area
 - ☐ C. Prostate
 - ☐ D. Ischiorectal fossa
3. Which number illustrates the bladder?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 3
 - ☐ D. 4
4. Which of the following is illustrated by 6?
 - ☐ A. Pubis
 - ☐ B. Ileum
 - ☐ C. Ischium
 - ☐ D. Ilium
5. Which of the following is illustrated by 4?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Rectum
 - ☐ C. Bladder
 - ☐ D. Sigmoid colon

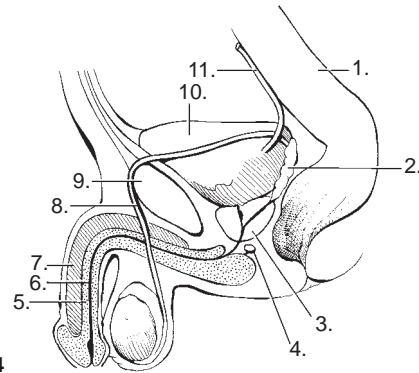


Figure 7-34

1. Which number illustrates the prostate?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 9
2. Which of the following is illustrated by 7?
 - ☐ A. Bladder
 - ☐ B. Corpus cavernosum
 - ☐ C. Prostate
 - ☐ D. Pubis
3. Which number illustrates the bladder?
 - ☐ A. 19
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 10
4. Which of the following is illustrated by 6?
 - ☐ A. Ureter
 - ☐ B. Corpus cavernosum
 - ☐ C. Urethra
 - ☐ D. Testicle
5. Which of the following is illustrated by 4?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Prostate
 - ☐ C. Cowper's gland
 - ☐ D. Rectum

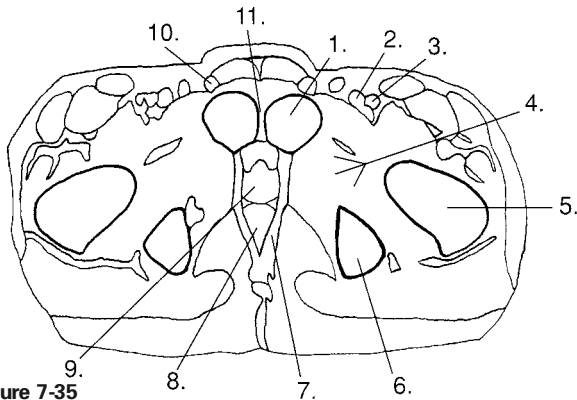
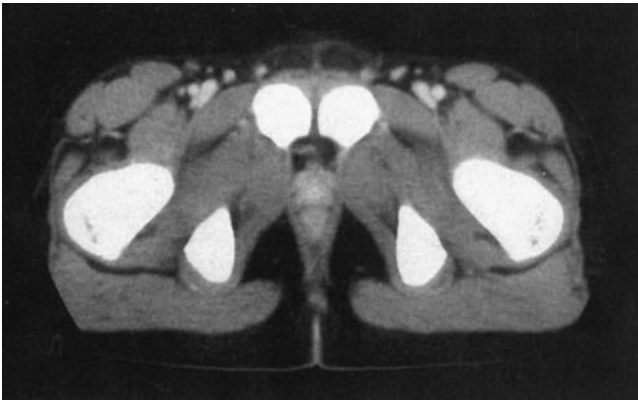


Figure 7-35

1. Which of the following is illustrated by 6?
 - ☐ A. Ischial tuberosity
 - ☐ B. Pubic bone
 - ☐ C. Ischial spine
 - ☐ D. Proximal femur
2. Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Pubis
 - ☐ C. Ischial spine
 - ☐ D. Ischial tuberosity
3. Which number illustrates the prostate?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 9
4. Which number illustrates the femoral artery?
 - ☐ A. 10
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
5. Which of the following is illustrated by 5?
 - ☐ A. Neck of the left femur
 - ☐ B. Greater trochanter of the femur
 - ☐ C. Lesser trochanter of the femur
 - ☐ D. Ischium

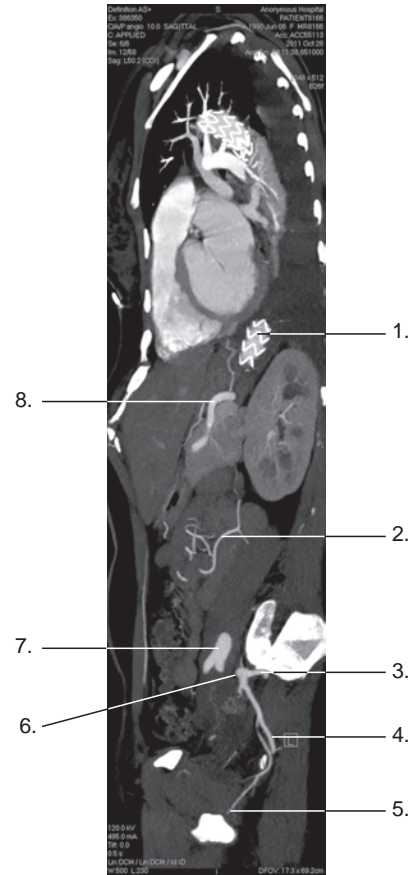


Figure 7-36

1. Which of the following is illustrated by 6?
 - ☐ A. Internal iliac artery
 - ☐ B. Inferior gluteal artery
 - ☐ C. Internal pudendal artery
 - ☐ D. Superior gluteal artery
2. Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Aorta
 - ☐ C. Splenic artery
 - ☐ D. Common iliac artery
3. Which number illustrates the superior gluteal artery?
 - ☐ A. 6
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 4
4. Which number illustrates the internal pudendal artery?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 5
5. Which of the following is illustrated by 2?
 - ☐ A. Superior mesenteric artery
 - ☐ B. Superior gluteal artery
 - ☐ C. Common iliac artery
 - ☐ D. Internal pudendal artery

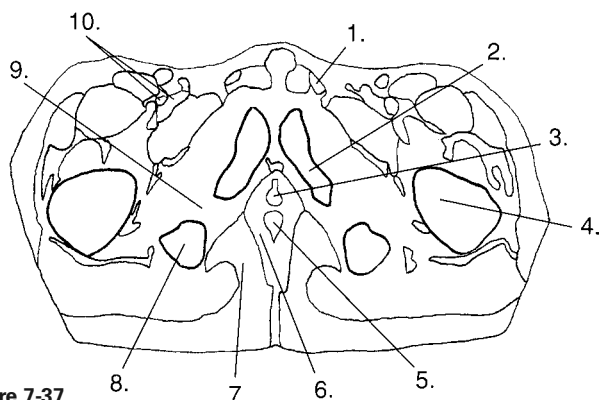
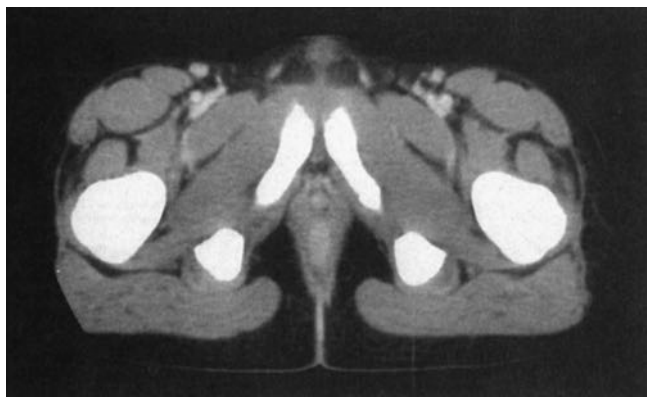


Figure 7-37

- Which of the following is illustrated by 6?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Obturator foramina
 - ☐ C. Ischiorectal fossa
 - ☐ D. Prostate
- Which number illustrates the ischial tuberosity?
 - ☐ A. 9
 - ☐ B. 2
 - ☐ C. 8
 - ☐ D. 4
- Which number illustrates the spermatic cord?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 10
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Superior pubic ramus
 - ☐ B. Interior pubic ramus
 - ☐ C. Ischial tuberosity
 - ☐ D. Ischial ramus
- Which number illustrates the prostate?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2

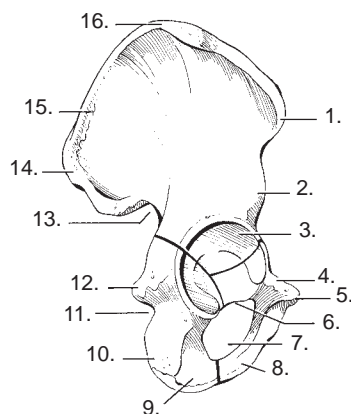


Figure 7-38

- Which of the following is illustrated by 8?
 - ☐ A. Ilium
 - ☐ B. Pubis
 - ☐ C. Ischium
 - ☐ D. Pubic tubercle
- Which number illustrates the ischial tuberosity?
 - ☐ A. 10
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 7
- Which number illustrates the greater sciatic notch?
 - ☐ A. 15
 - ☐ B. 14
 - ☐ C. 13
 - ☐ D. 12
- Which of the following is illustrated by 2?
 - ☐ A. Superior posterior iliac spine
 - ☐ B. Anterior superior iliac spine
 - ☐ C. Anterior inferior iliac spine
 - ☐ D. Pubic tubercle
- Which number illustrates the ischial ramus?
 - ☐ A. 6
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 9

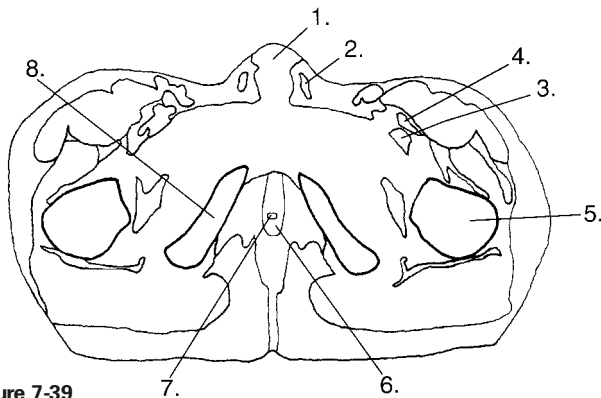


Figure 7-39

1. Which of the following is illustrated by 1?
 - ☐ A. Corpus spongiosum
 - ☐ B. Corpus cavernosum
 - ☐ C. Urethra
 - ☐ D. Symphysis pubis
2. Which number illustrates the urethra?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 1
3. Which number illustrates the ischial ramus?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 8
4. Which of the following is illustrated by 2?
 - ☐ A. Femoral artery
 - ☐ B. Femoral vein
 - ☐ C. Spermatic cord
 - ☐ D. Urethra
5. Which of the following is illustrated by 6?
 - ☐ A. Corpus cavernosum
 - ☐ B. Left spermatic cord
 - ☐ C. Urethra
 - ☐ D. Corpus spongiosum

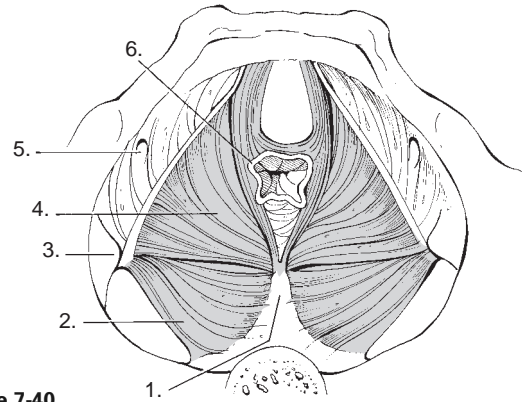


Figure 7-40

1. Which of the following is illustrated by 1?
 - ☐ A. Coccyx
 - ☐ B. Coccygeus
 - ☐ C. Levator ani
 - ☐ D. Obturator foramen
2. Which number illustrates the rectum?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2
3. Which number illustrates the obturator canal?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Coccyx
 - ☐ B. Coccygeus
 - ☐ C. Ischial spine
 - ☐ D. Levator ani muscle
5. Which of the following is illustrated by 3?
 - ☐ A. Coccyx
 - ☐ B. Ischial spine
 - ☐ C. Obturator canal
 - ☐ D. Rectum

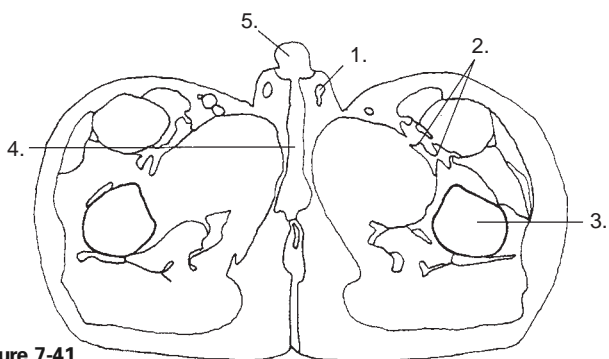
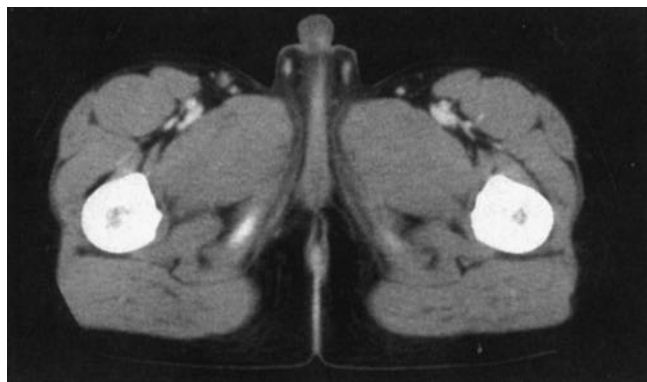


Figure 7-41

1. Which number illustrates the corpus spongiosum?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
2. Which of the following is illustrated by 1?
 - ☐ A. Femoral artery
 - ☐ B. Spermatic cord
 - ☐ C. Femoral vein
 - ☐ D. External iliac artery
3. Which number illustrates the corpus cavernosum?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Femoral vessels
 - ☐ B. Corpus spongiosum
 - ☐ C. Spermatic cord
 - ☐ D. External iliac vessels
5. Which of the following is illustrated by 3?
 - ☐ A. Ischial tuberosity
 - ☐ B. Head of the femur
 - ☐ C. Shaft of the left femur
 - ☐ D. Greater trochanter of the femur



Figure 7-42

1. Which of the following is illustrated by 4?
 - ☐ A. Inferior iliac artery
 - ☐ B. Internal pudendal artery
 - ☐ C. Superficial epigastric artery
 - ☐ D. External iliac artery
2. Which number illustrates the splenic artery?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2
3. Which number illustrates the internal iliac artery?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Internal iliac artery
 - ☐ B. Internal pudendal artery
 - ☐ C. Superficial epigastric artery
 - ☐ D. Splenic artery
5. Which of the following is illustrated by 3?
 - ☐ A. Corpus cavernosum
 - ☐ B. Superficial epigastric artery
 - ☐ C. Urethra
 - ☐ D. External iliac artery

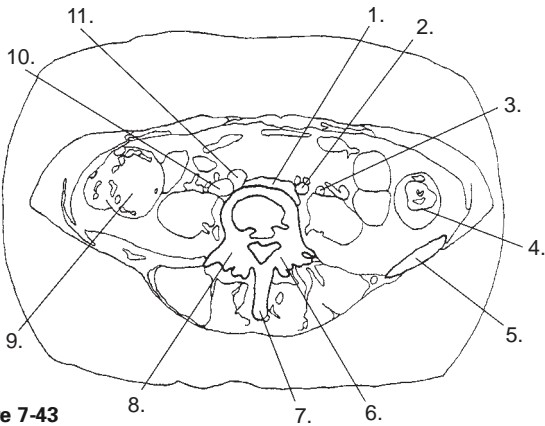
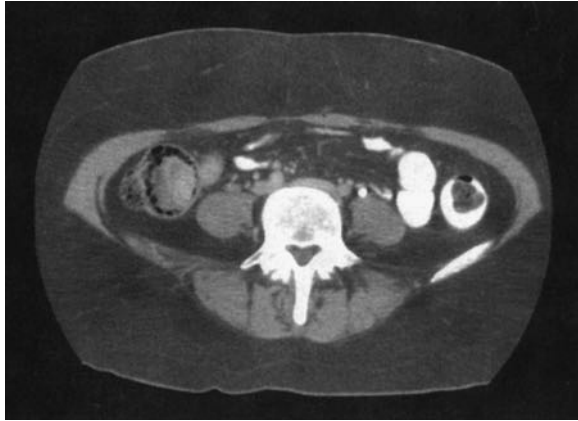


Figure 7-43

1. Which number illustrates the pedicle of L5?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 7
 - ☐ D. 9
2. Which of the following is illustrated by 2?
 - ☐ A. Ureter
 - ☐ B. Internal iliac vein
 - ☐ C. Common iliac artery
 - ☐ D. Common iliac vein
3. Which number illustrates the left common iliac vein?
 - ☐ A. 11
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
4. Which of the following is illustrated by 6?
 - ☐ A. Intervertebral foramen
 - ☐ B. Lamina of L5
 - ☐ C. Spinous process of L5
 - ☐ D. Pedicle of L5
5. Which of the following is illustrated by 3?
 - ☐ A. Common iliac vein
 - ☐ B. Common iliac artery
 - ☐ C. External iliac artery
 - ☐ D. Ureter

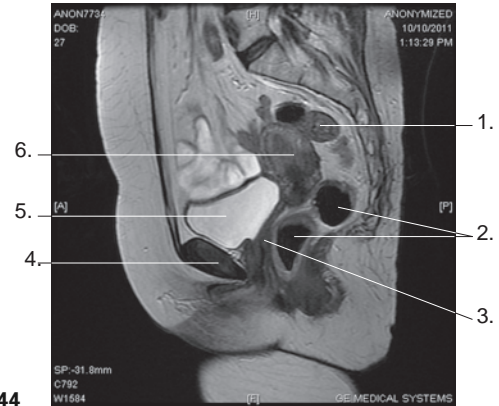
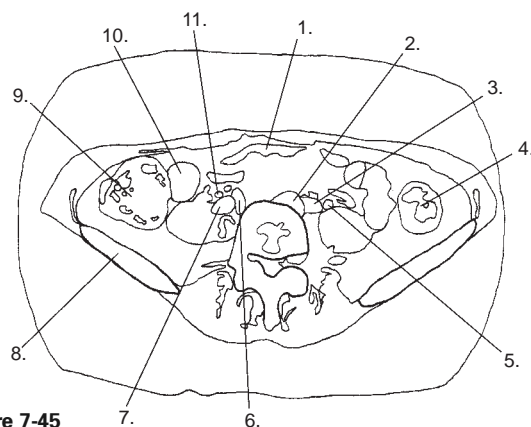
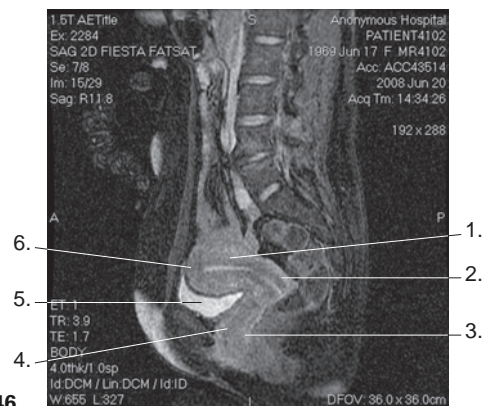


Figure 7-44

1. Which number illustrates the rectum?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 5
2. Which of the following is illustrated by 3?
 - ☐ A. Vagina
 - ☐ B. Pubic symphysis
 - ☐ C. Bladder
 - ☐ D. Rectum
3. Which number illustrates the sigmoid colon?
 - ☐ A. 4
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 3
4. Which of the following is illustrated by 6?
 - ☐ A. Rectum
 - ☐ B. Pubic symphysis
 - ☐ C. Uterus
 - ☐ D. Bladder
5. Which of the following is illustrated by 5?
 - ☐ A. Vagina
 - ☐ B. Rectum
 - ☐ C. Bladder
 - ☐ D. Uterus

**Figure 7-45**

1. Which of the following is illustrated by 4?
 - ☐ A. Descending colon
 - ☐ B. Ascending colon
 - ☐ C. Ileum
 - ☐ D. Cecum
2. Which number illustrates the left common iliac artery?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 6
3. Which of the following is illustrated by 1?
 - ☐ A. Cecum
 - ☐ B. Transverse colon
 - ☐ C. Small bowel
 - ☐ D. Sigmoid colon
4. Which number illustrates the right common iliac vein?
 - ☐ A. 10
 - ☐ B. 7
 - ☐ C. 11
 - ☐ D. 6
5. Which of the following is illustrated by 11?
 - ☐ A. Ureter
 - ☐ B. Common iliac vein
 - ☐ C. External iliac artery
 - ☐ D. Common iliac artery

**Figure 7-46**

1. Which of the following is illustrated by 4?
 - ☐ A. Fundus of the uterus
 - ☐ B. Bladder
 - ☐ C. Urethra
 - ☐ D. Vagina
2. Which number illustrates the cervix of the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
3. Which of the following is illustrated by 1?
 - ☐ A. Urethra
 - ☐ B. Cervix of the uterus
 - ☐ C. Bladder
 - ☐ D. Body of the uterus
4. Which number illustrates the vagina?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 6?
 - ☐ A. Bladder
 - ☐ B. Fundus of the uterus
 - ☐ C. Urethra
 - ☐ D. Vagina

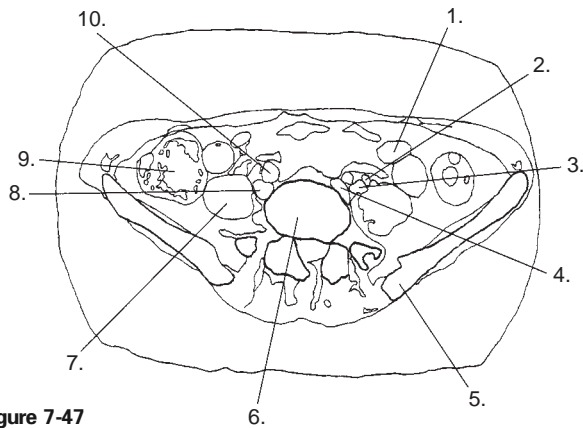


Figure 7-47

- Which of the following is illustrated by 2?
 - ☐ A. Common iliac vein
 - ☐ B. Ureter
 - ☐ C. Common iliac artery
 - ☐ D. External iliac artery
- Which number illustrates the right common iliac artery?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 2
 - ☐ D. 10
- Which number illustrates the left common iliac artery?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 10
- Which number illustrates the left common iliac vein?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
- Which of the following is illustrated by 10?
 - ☐ A. Common iliac vein
 - ☐ B. Psoas muscle
 - ☐ C. Common iliac artery
 - ☐ D. Inferior mesenteric artery

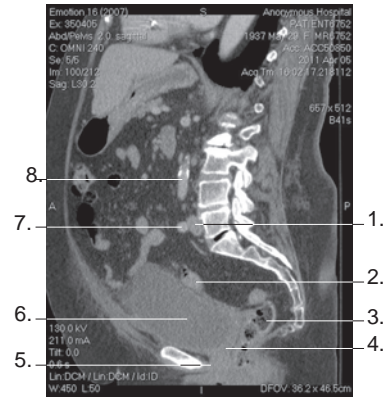


Figure 7-48

- Which of the following is illustrated by 2?
 - ☐ A. Sigmoid colon
 - ☐ B. Rectum
 - ☐ C. Ileum
 - ☐ D. Ovary
- Which number illustrates the common iliac artery?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 8
- Which number illustrates the aorta?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 8
- Which number illustrates the rectum?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
- Which of the following is illustrated by 6?
 - ☐ A. Common iliac vein
 - ☐ B. Urethra
 - ☐ C. Bladder
 - ☐ D. Inferior mesenteric artery

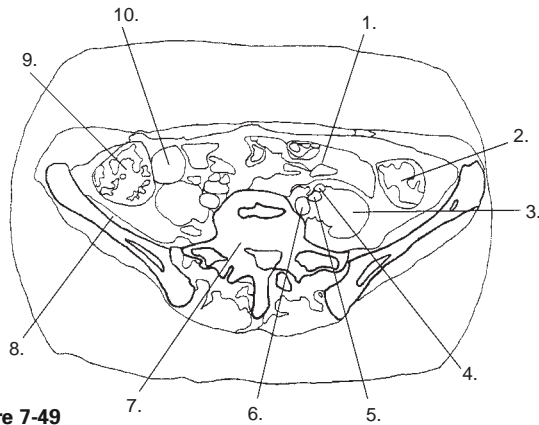


Figure 7-49

1. Which number illustrates the small bowel?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 9
2. Which of the following is illustrated by 4?
 - ☐ A. Common iliac artery
 - ☐ B. Ureter
 - ☐ C. Common iliac vein
 - ☐ D. External iliac artery
3. Which of the following is illustrated by 8?
 - ☐ A. Psoas muscle
 - ☐ B. Iliacus
 - ☐ C. Ileum
 - ☐ D. Ilium
4. Which number illustrates the common iliac artery?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 4
5. Which number illustrates the descending colon?
 - ☐ A. 2
 - ☐ B. 9
 - ☐ C. 10
 - ☐ D. 3

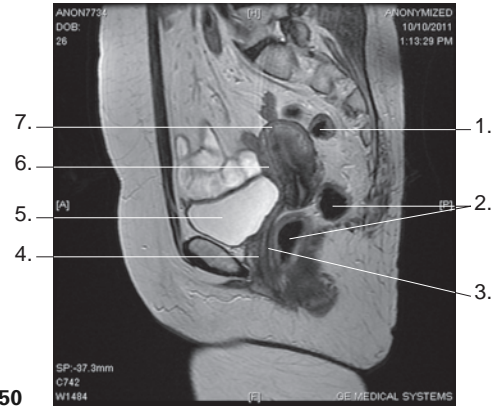


Figure 7-50

1. Which number illustrates the urethra?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 2
 - ☐ D. 5
2. Which of the following is illustrated by 5?
 - ☐ A. Fundus of the uterus
 - ☐ B. Body of the uterus
 - ☐ C. Urethra
 - ☐ D. Urinary bladder
3. Which of the following is illustrated by 7?
 - ☐ A. Body of the uterus
 - ☐ B. Fundus of the uterus
 - ☐ C. Rectum
 - ☐ D. Vagina
4. Which number illustrates the sigmoid colon?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 5
5. Which number illustrates the vagina?
 - ☐ A. 3
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 2

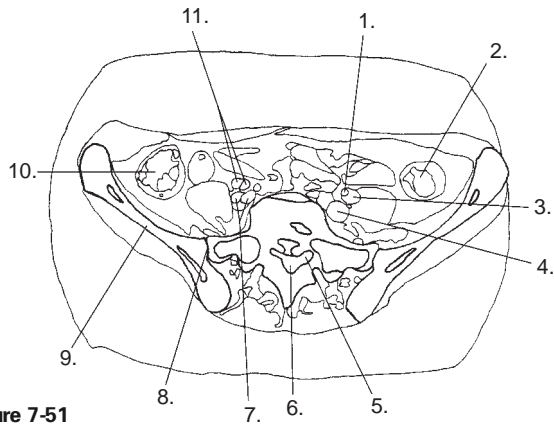


Figure 7-51

1. Which number illustrates the right sacroiliac joint?
 - ☐ A. 9
 - ☐ B. 5
 - ☐ C. 8
 - ☐ D. 6
2. Which of the following is illustrated by 4?
 - ☐ A. Common iliac vein
 - ☐ B. Ureter
 - ☐ C. Internal iliac artery
 - ☐ D. Common iliac artery
3. Which of the following is illustrated by 3?
 - ☐ A. Internal iliac artery
 - ☐ B. Common iliac artery
 - ☐ C. Ureter
 - ☐ D. External iliac vein
4. Which number illustrates the cecum?
 - ☐ A. 2
 - ☐ B. 9
 - ☐ C. 4
 - ☐ D. 10
5. Which number illustrates the descending colon?
 - ☐ A. 10
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 2

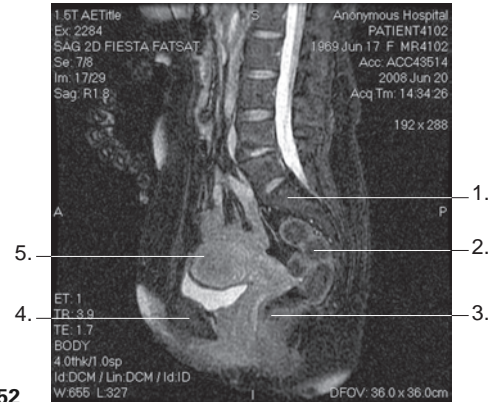


Figure 7-52

1. Which number illustrates the sacrum?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
2. Which of the following is illustrated by 4?
 - ☐ A. Fundus of the uterus
 - ☐ B. Sigmoid colon
 - ☐ C. Symphysis pubis
 - ☐ D. Rectum
3. Which of the following is illustrated by 3?
 - ☐ A. Rectum
 - ☐ B. Sacrum
 - ☐ C. Sigmoid colon
 - ☐ D. Symphysis pubis
4. Which number illustrates the sigmoid colon?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
5. Which number illustrates the fundus of the uterus?
 - ☐ A. 1
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 2

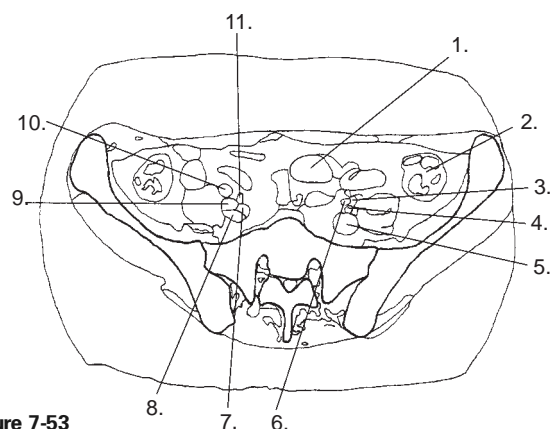


Figure 7-53

- Which of the following is illustrated by 6?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac artery
 - ☐ C. Internal iliac vein
 - ☐ D. Ureter
- Which number illustrates the right external iliac artery?
 - ☐ A. 11
 - ☐ B. 8
 - ☐ C. 10
 - ☐ D. 7
- Which of the following illustrates the right internal iliac vein?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 10
- Which number illustrates the left common iliac vein?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
- Which of the following illustrates the left external iliac artery?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6

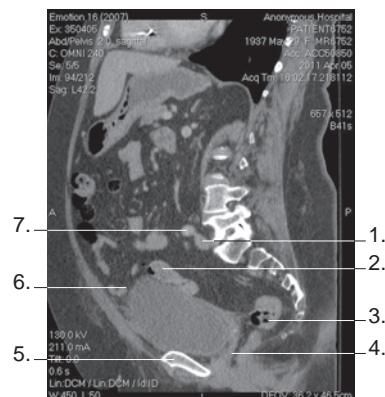


Figure 7-54

- Which of the following is illustrated by 6?
 - ☐ A. Common iliac artery
 - ☐ B. Ileum
 - ☐ C. Pubis
 - ☐ D. Rectum
- Which number illustrates the common iliac artery?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 5
- Which of the following illustrates the rectum?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 3
- Which number illustrates the common iliac vein?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 3
- Which of the following illustrates the pubis?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 6

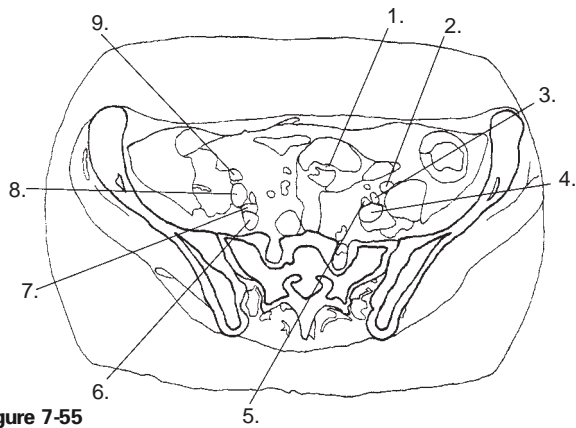


Figure 7-55

1. Which of the following is illustrated by 8?
 - ☐ A. External iliac vein
 - ☐ B. Internal iliac vein
 - ☐ C. External iliac artery
 - ☐ D. Internal iliac artery
2. Which number illustrates the external iliac artery?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
3. Which of the following is illustrated by 5?
 - ☐ A. Common iliac vein
 - ☐ B. Ureter
 - ☐ C. Internal iliac artery
 - ☐ D. External iliac artery
4. Which number illustrates the internal iliac artery?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 9
5. Which of the following is illustrated by 3?
 - ☐ A. Ureter
 - ☐ B. External iliac artery
 - ☐ C. Common iliac vein
 - ☐ D. Internal iliac artery

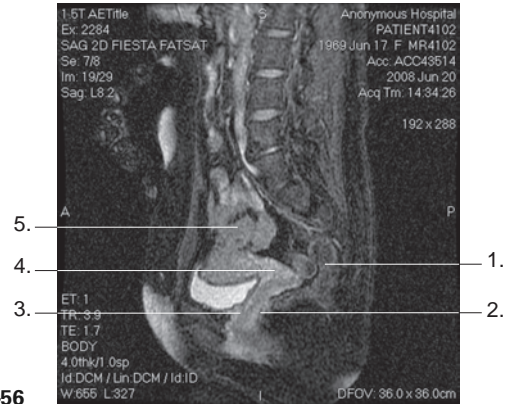


Figure 7-56

1. Which of the following is illustrated by 1?
 - ☐ A. Rectum
 - ☐ B. Uterus
 - ☐ C. Urethra
 - ☐ D. Ileum
2. Which number illustrates the ileum?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
3. Which of the following is illustrated by 4?
 - ☐ A. Rectum
 - ☐ B. Vagina
 - ☐ C. Uterus
 - ☐ D. Urethra
4. Which number illustrates the vagina?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
5. Which of the following is illustrated by 3?
 - ☐ A. Urethra
 - ☐ B. Uterus
 - ☐ C. Ileum
 - ☐ D. Rectum

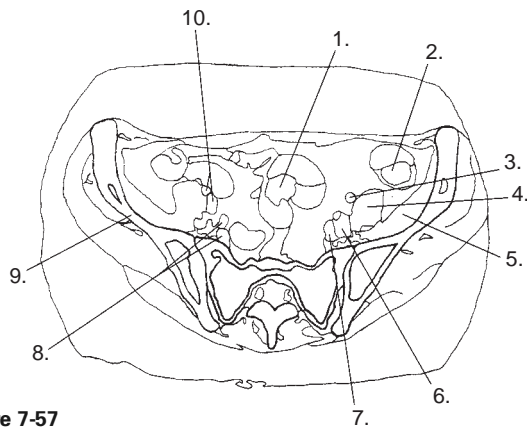


Figure 7-57

1. Which of the following is illustrated by 2?
 - ☐ A. Descending colon
 - ☐ B. Sigmoid colon
 - ☐ C. Left psoas
 - ☐ D. Ascending colon
2. Which number illustrates the left internal iliac artery?
 - ☐ A. 6
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 7
3. Which number illustrates the iliacus muscle?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 6
4. Which of the following is illustrated by 4?
 - ☐ A. Small bowel
 - ☐ B. Psoas muscle
 - ☐ C. Internal iliac vein
 - ☐ D. Sigmoid colon
5. Which of the following is illustrated by 6?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac artery
 - ☐ C. Internal iliac vein
 - ☐ D. Common iliac vein

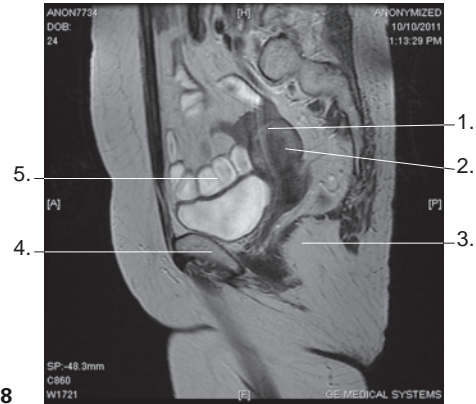


Figure 7-58

1. Which of the following is illustrated by 2?
 - ☐ A. Ileum
 - ☐ B. Sigmoid colon
 - ☐ C. Symphysis
 - ☐ D. Body of the uterus
2. Which number illustrates the fundus of the uterus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
3. Which number illustrates the ischiorectal fossa?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 1
4. Which of the following is illustrated by 4?
 - ☐ A. Ileum
 - ☐ B. Symphysis pubis
 - ☐ C. Fundus of the uterus
 - ☐ D. Sigmoid colon
5. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Symphysis pubis
 - ☐ C. Ischiorectal fossa
 - ☐ D. Fundus of the uterus

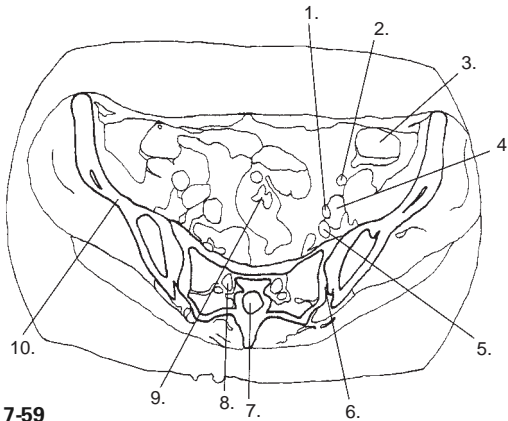


Figure 7-59

1. Which of the following is illustrated by 4?
 - ☐ A. External iliac artery
 - ☐ B. Common iliac vein
 - ☐ C. Ureter
 - ☐ D. Internal iliac artery
2. Which number illustrates the sigmoid colon?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 8
 - ☐ D. 9
3. Which of the following is illustrated by 5?
 - ☐ A. Internal iliac artery
 - ☐ B. Ureter
 - ☐ C. Common iliac vein
 - ☐ D. External iliac artery
4. Which number illustrates the sacral canal?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 10
5. Which number illustrates the sacral foramen?
 - ☐ A. 10
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 6

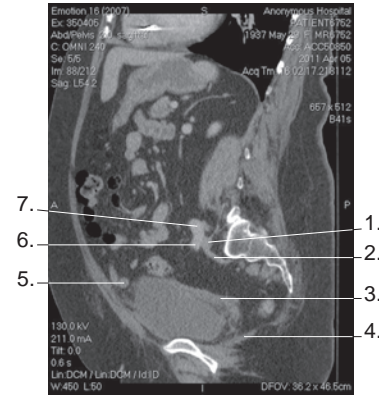


Figure 7-60

1. Which of the following is illustrated by 4?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Internal iliac vein
 - ☐ C. External iliac artery
 - ☐ D. Common iliac artery
2. Which number illustrates the internal iliac vein?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
3. Which of the following is illustrated by 5?
 - ☐ A. External iliac artery
 - ☐ B. Broad ligament
 - ☐ C. Ileum
 - ☐ D. Common iliac vein
4. Which number illustrates the broad ligament?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
5. Which number illustrates the common iliac vein?
 - ☐ A. 1
 - ☐ B. 7
 - ☐ C. 2
 - ☐ D. 6

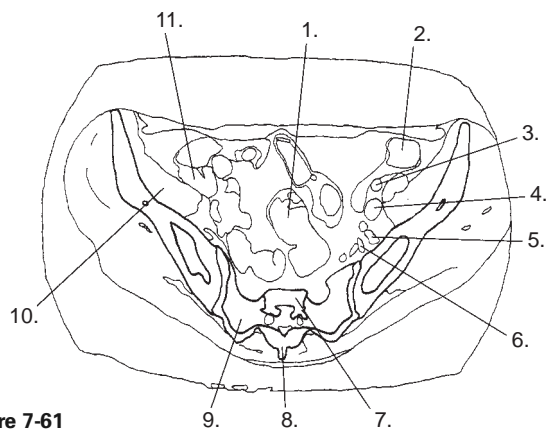
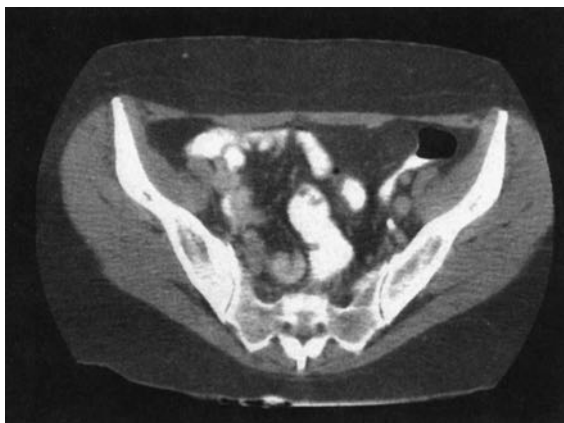


Figure 7-61

1. Which of the following is illustrated by 9?
 - ☐ A. Lateral part of the sacrum
 - ☐ B. Spinous process
 - ☐ C. Vertebral body
 - ☐ D. Sigmoid colon
2. Which number illustrates the psoas muscle?
 - ☐ A. 10
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 11
3. Which of the following is illustrated by 5?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac vein
 - ☐ C. External iliac vein
 - ☐ D. Internal iliac artery
4. Which number illustrates the spinous process?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 11
5. Which of the following illustrates the iliacus muscle?
 - ☐ A. 11
 - ☐ B. 9
 - ☐ C. 10
 - ☐ D. 8

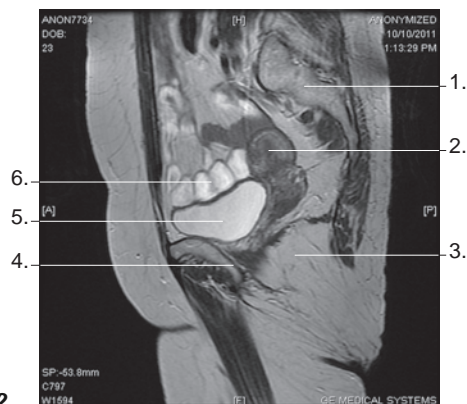


Figure 7-62

1. Which of the following is illustrated by 1?
 - ☐ A. Ileum
 - ☐ B. Sacrum
 - ☐ C. Uterus
 - ☐ D. Bladder
2. Which number illustrates the ischiopubic ramus?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
3. Which of the following is illustrated by 5?
 - ☐ A. Bladder
 - ☐ B. Uterus
 - ☐ C. Sacrum
 - ☐ D. Ischiorectal fossa
4. Which number illustrates the uterus?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 1
5. Which of the following illustrates the ischiorectal fossa?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 2

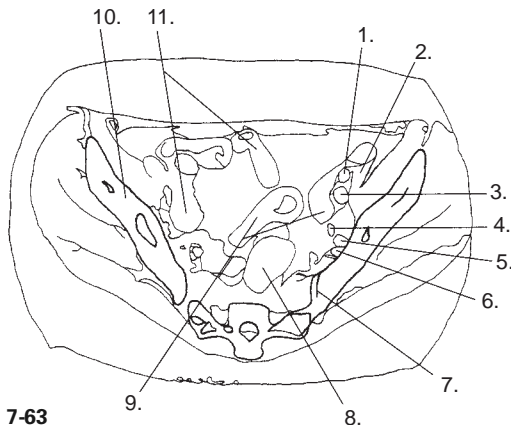
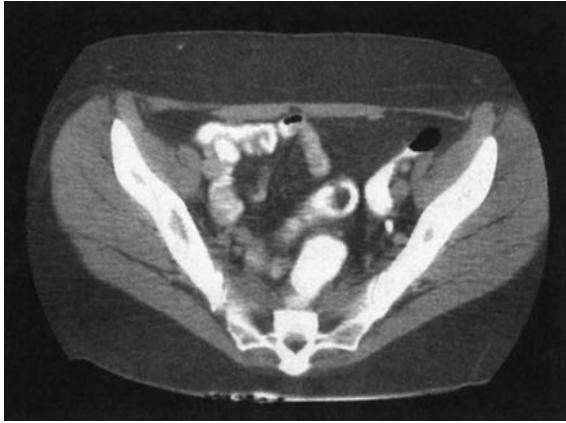


Figure 7-63

1. Which of the following is illustrated by 8?
 - ☐ A. Ileum
 - ☐ B. Rectum
 - ☐ C. Sigmoid colon
 - ☐ D. Uterus
2. Which number illustrates the left internal iliac artery?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 1
3. Which of the following is illustrated by 4?
 - ☐ A. Internal iliac vein
 - ☐ B. Internal iliac artery
 - ☐ C. External iliac vein
 - ☐ D. Ureter
4. Which number illustrates the sigmoid colon?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 9
 - ☐ D. 11
5. Which of the following is illustrated by 1?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac vein
 - ☐ C. Internal iliac artery
 - ☐ D. External iliac vein

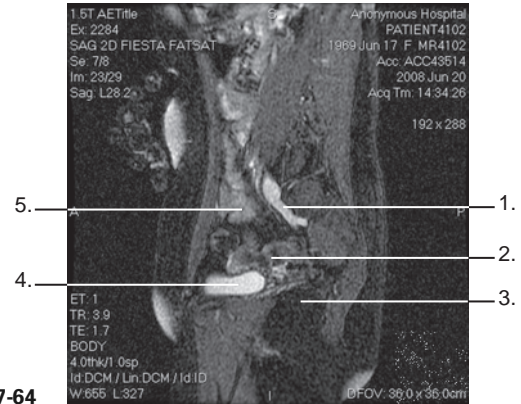


Figure 7-64

1. Which of the following is illustrated by 4?
 - ☐ A. Bladder
 - ☐ B. Adnexal area
 - ☐ C. Ileum
 - ☐ D. Internal iliac artery
2. Which number illustrates the adnexal area?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
3. Which of the following is illustrated by 3?
 - ☐ A. Ileum
 - ☐ B. Internal iliac artery
 - ☐ C. Adnexal area
 - ☐ D. Ischiorectal fossa
4. Which number illustrates the internal iliac artery?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 4
5. Which of the following is illustrated by 5?
 - ☐ A. Sigmoid
 - ☐ B. Ileum
 - ☐ C. Cecum
 - ☐ D. Adnexal area

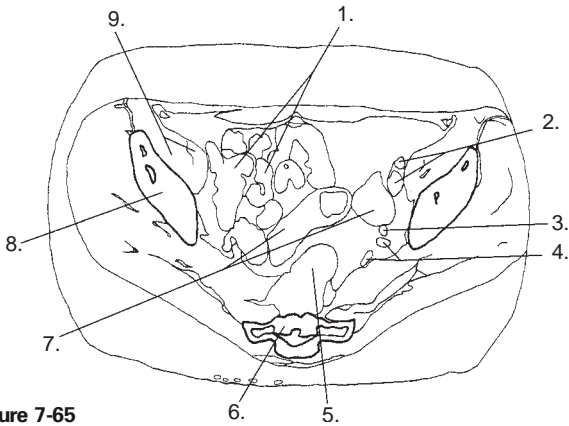
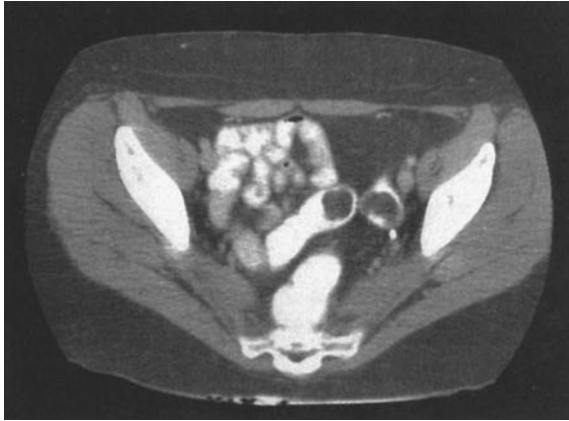


Figure 7-65

1. Which of the following is illustrated by 9?
 - ☐ A. Loops of the ileum
 - ☐ B. Iliac muscle
 - ☐ C. Iliopsoas muscle
 - ☐ D. Psoas muscle
2. Which number illustrates the rectum?
 - ☐ A. 5
 - ☐ B. 9
 - ☐ C. 1
 - ☐ D. 7
3. Which of the following is illustrated by 6?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Coccyx
 - ☐ D. Sacrum
4. Which of the following is illustrated by 7?
 - ☐ A. Descending colon
 - ☐ B. Rectum
 - ☐ C. Loops of the ileum
 - ☐ D. Sigmoid colon
5. Which number illustrates the ilium?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 8
 - ☐ D. 9

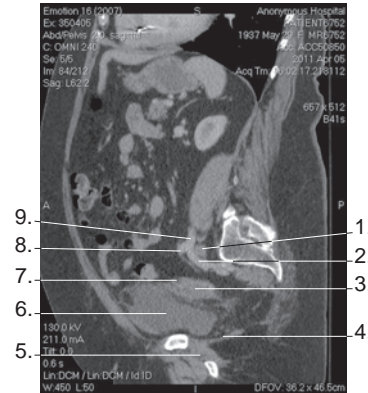


Figure 7-66

1. Which of the following is illustrated by 9?
 - ☐ A. Common iliac artery
 - ☐ B. External iliac vein
 - ☐ C. Internal iliac artery
 - ☐ D. External iliac artery
2. Which number illustrates the body of the uterus?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 7
3. Which of the following is illustrated by 6?
 - ☐ A. Obturator foramen
 - ☐ B. Body of the uterus
 - ☐ C. Bladder
 - ☐ D. Pelvic diaphragm
4. Which of the following is illustrated by 7?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Common iliac artery
 - ☐ C. Bladder
 - ☐ D. Fundus of the uterus
5. Which number illustrates the pelvic diaphragm?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1

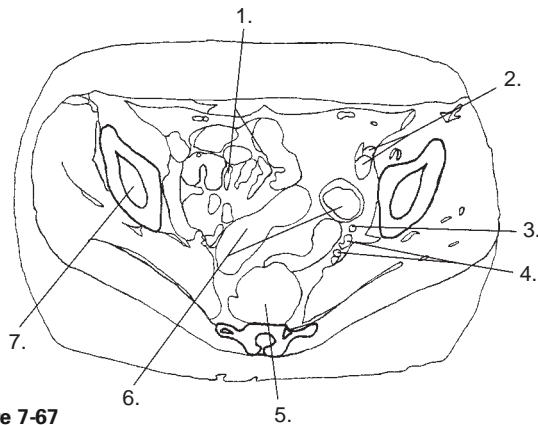
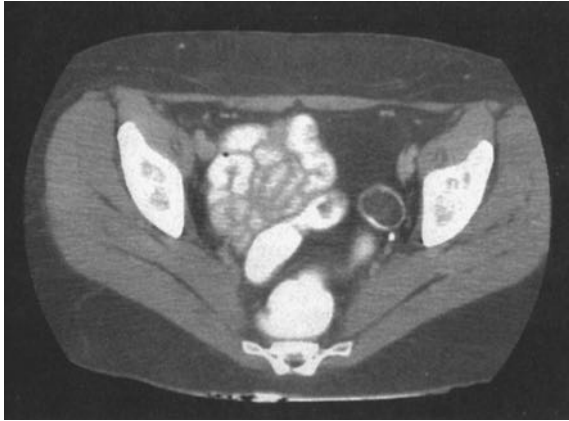


Figure 7-67

1. Which of the following is illustrated by 2?
 - A. Femoral artery and vein
 - B. External iliac artery and vein
 - C. Gluteal artery and vein
 - D. Internal iliac artery and vein
2. Which number illustrates the sigmoid colon?
 - A. 4
 - B. 1
 - C. 5
 - D. 6
3. Which number illustrates the left internal iliac artery and vein?
 - A. 2
 - B. 4
 - C. 3
 - D. 6
4. Which of the following is illustrated by 1?
 - A. Sigmoid colon
 - B. Top of the bladder
 - C. Loops of the ileum
 - D. Loops of the ilium
5. Which number illustrates the rectum?
 - A. 7
 - B. 5
 - C. 6
 - D. 3

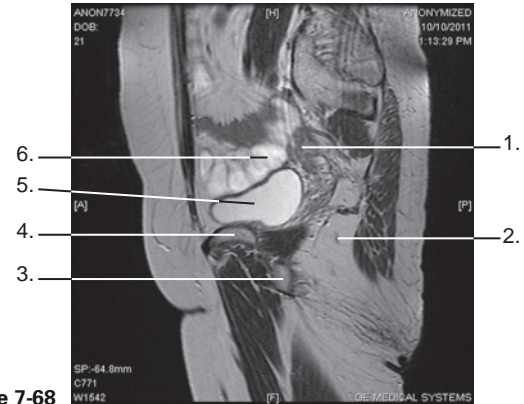


Figure 7-68

1. Which of the following is illustrated by 2?
 - A. Ischioanal fossa
 - B. Broad ligament
 - C. Pubis
 - D. Ischium
2. Which number illustrates the pubis?
 - A. 4
 - B. 3
 - C. 5
 - D. 6
3. Which number illustrates the ischium?
 - A. 2
 - B. 3
 - C. 4
 - D. 5
4. Which of the following is illustrated by 1?
 - A. Ischioanal fossa
 - B. Broad ligament
 - C. Bladder
 - D. Pubis
5. Which number illustrates the ileum?
 - A. 4
 - B. 5
 - C. 6
 - D. 3

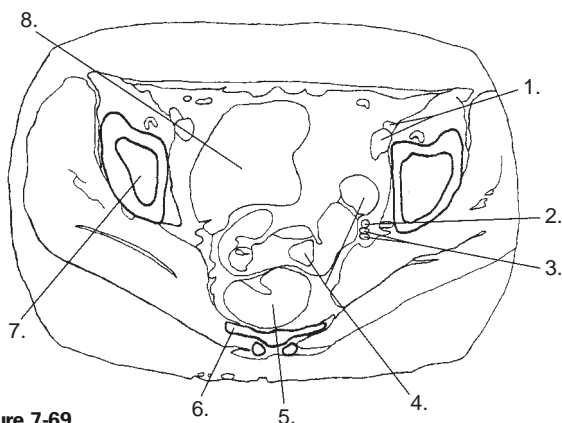
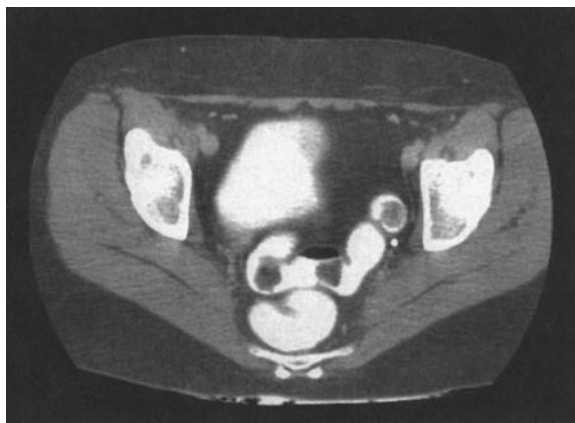


Figure 7-69

- Which of the following is illustrated by 7?
 - ☐ A. Ischium
 - ☐ B. Pubis
 - ☐ C. Ilium
 - ☐ D. Ileum
- Which of the following is illustrated by 4?
 - ☐ A. Small bowel
 - ☐ B. Sigmoid colon
 - ☐ C. Descending colon
 - ☐ D. Rectum
- Which number illustrates the rectum?
 - ☐ A. 6
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 8
- Which of the following illustrates the bladder?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 8
- Which of the following is illustrated by 3?
 - ☐ A. Gluteal artery and vein
 - ☐ B. Common iliac artery and vein
 - ☐ C. External iliac artery and vein
 - ☐ D. Internal iliac artery and vein

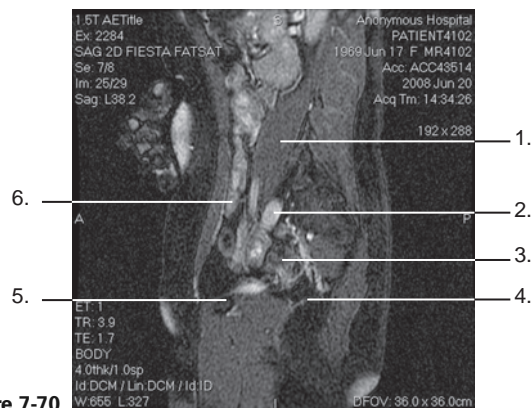


Figure 7-70

- Which of the following is illustrated by 6?
 - ☐ A. Ileum
 - ☐ B. Pubis
 - ☐ C. Psoas muscle
 - ☐ D. Ischiorectal fossa
- Which of the following is illustrated by 4?
 - ☐ A. Ischiorectal fossa
 - ☐ B. Pubis
 - ☐ C. Psoas muscle
 - ☐ D. Adnexal area
- Which number illustrates the adnexal area?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
- Which of the following illustrates the psoas muscle?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Gluteal artery and vein
 - ☐ B. External iliac artery
 - ☐ C. Inferior vena cava
 - ☐ D. Aorta

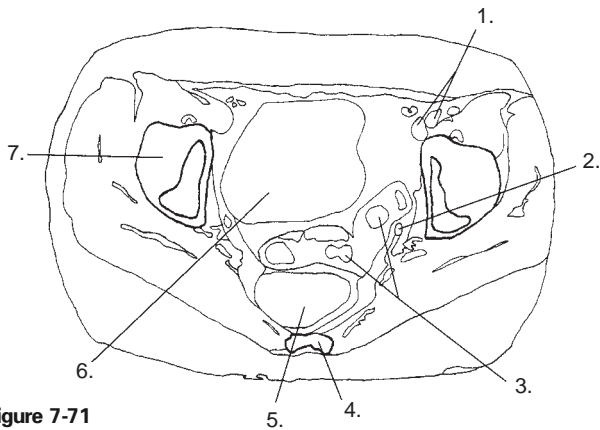


Figure 7-71

1. Which of the following is illustrated by 7?
 - ☐ A. Ileum
 - ☐ B. Ilium
 - ☐ C. Ischium
 - ☐ D. Pubis
2. Which of the following is illustrated by 2?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac artery
 - ☐ C. Ureter
 - ☐ D. Internal iliac vein
3. Which of the following is illustrated by 3?
 - ☐ A. Sigmoid colon
 - ☐ B. Rectum
 - ☐ C. Small bowel
 - ☐ D. Descending colon
4. Which number illustrates the rectum?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 3
5. Which number illustrates the bladder?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 2

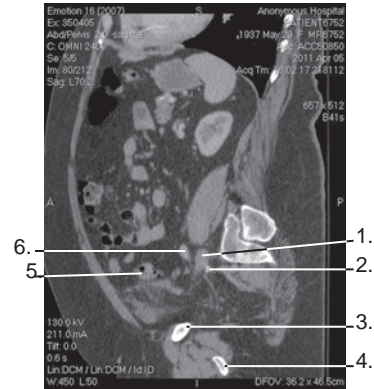


Figure 7-72

1. Which of the following is illustrated by 6?
 - ☐ A. External iliac artery
 - ☐ B. Sigmoid colon
 - ☐ C. External iliac vein
 - ☐ D. Internal iliac artery
2. Which of the following is illustrated by 4?
 - ☐ A. Inferior ramus of the pubis
 - ☐ B. Superior ramus of the pubis
 - ☐ C. Ilium
 - ☐ D. Ischium
3. Which number illustrates the sigmoid colon?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 5
 - ☐ D. 1
4. Which of the following illustrates the superior ramus of the pubis?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2
5. Which of the following is illustrated by 2?
 - ☐ A. Gluteal artery and vein
 - ☐ B. Internal iliac artery
 - ☐ C. External iliac artery
 - ☐ D. Common iliac artery

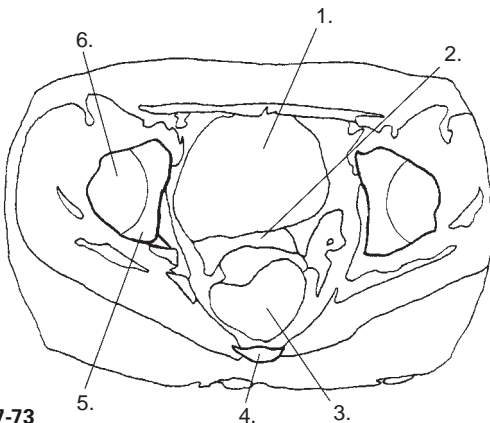


Figure 7-73

1. Which of the following is illustrated by 2?
 - ☐ A. Cervix of the uterus
 - ☐ B. Vagina
 - ☐ C. Adnexal area
 - ☐ D. Fundus of the uterus
2. Which of the following is illustrated by 4?
 - ☐ A. Sacrum
 - ☐ B. Coccyx
 - ☐ C. Ischium
 - ☐ D. Pubis
3. Which of the following is illustrated by 5?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Pubis
 - ☐ D. Femur
4. Which of the following is illustrated by 3?
 - ☐ A. Sigmoid colon
 - ☐ B. Rectum
 - ☐ C. Vagina
 - ☐ D. Cervix of the uterus
5. Which of the following is illustrated by 6?
 - ☐ A. Shaft of the femur
 - ☐ B. Ilium
 - ☐ C. Neck of the femur
 - ☐ D. Head of the femur

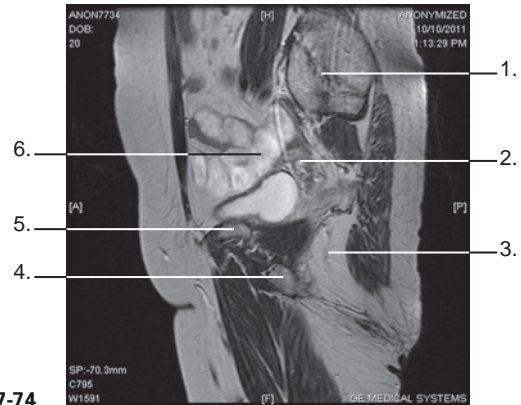


Figure 7-74

1. Which of the following is illustrated by 2?
 - ☐ A. Ileum
 - ☐ B. Broad ligament
 - ☐ C. Ilium
 - ☐ D. Ovary
2. Which of the following is illustrated by 4?
 - ☐ A. Sacrum
 - ☐ B. Ischium
 - ☐ C. Ilium
 - ☐ D. Ileum
3. Which of the following is illustrated by 5?
 - ☐ A. Pubis
 - ☐ B. Ileum
 - ☐ C. Ischium
 - ☐ D. Ischiorectal fossa
4. Which of the following is illustrated by 3?
 - ☐ A. Ischiorectal fossa
 - ☐ B. Pubis
 - ☐ C. Ischium
 - ☐ D. Broad ligament
5. Which of the following is illustrated by 6?
 - ☐ A. Broad ligament
 - ☐ B. Ischium
 - ☐ C. Pubis
 - ☐ D. Ileum

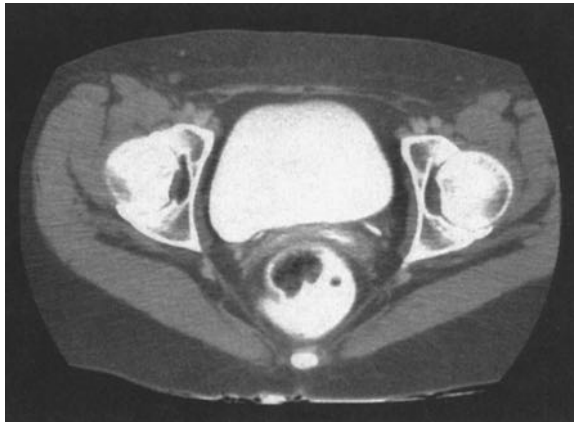


Figure 7-75

- Which of the following is illustrated by 3?
 - ☐ A. Adnexal area
 - ☐ B. Pelvic diaphragm
 - ☐ C. Body of the uterus
 - ☐ D. Seminal vesicle
- Which number illustrates the femoral artery?
 - ☐ A. 2
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 5
- Which number illustrates the femoral vein?
 - ☐ A. 3
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 7
- Which of the following is illustrated by 2?
 - ☐ A. Internal iliac artery
 - ☐ B. Ureter
 - ☐ C. Femoral nerve
 - ☐ D. Internal iliac vein
- Which of the following is illustrated by 5?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Sacrum
 - ☐ D. Coccyx

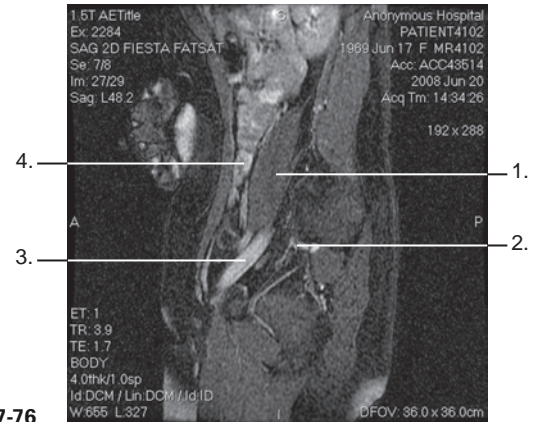


Figure 7-76

- Which of the following is illustrated by 3?
 - ☐ A. External iliac artery
 - ☐ B. Internal iliac artery
 - ☐ C. External iliac vein
 - ☐ D. Internal iliac vein
- Which number illustrates the ileum?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
- Which number illustrates the psoas muscle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 1
- Which of the following is illustrated by 2?
 - ☐ A. External iliac artery
 - ☐ B. External iliac vein
 - ☐ C. Branches of internal iliac vessels
 - ☐ D. Adnexal area

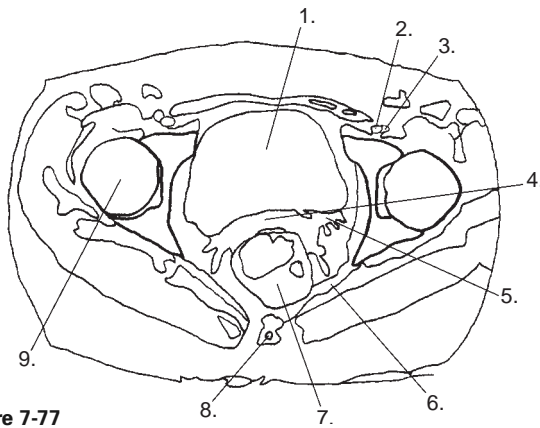


Figure 7-77

1. Which number illustrates the femoral vein?
 - ☐ A. 8
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 9
2. Which of the following is illustrated by 2?
 - ☐ A. Left adnexal area
 - ☐ B. Body of the uterus
 - ☐ C. Bladder
 - ☐ D. Rectum
3. Which of the following is illustrated by 3?
 - ☐ A. Femoral vein
 - ☐ B. Femoral artery
 - ☐ C. External iliac artery
 - ☐ D. External iliac vein
4. Which number illustrates the pelvic diaphragm?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 5
5. Which of the following is illustrated by 5?
 - ☐ A. Adnexal area
 - ☐ B. Body of the uterus
 - ☐ C. Pelvic diaphragm
 - ☐ D. Ureter

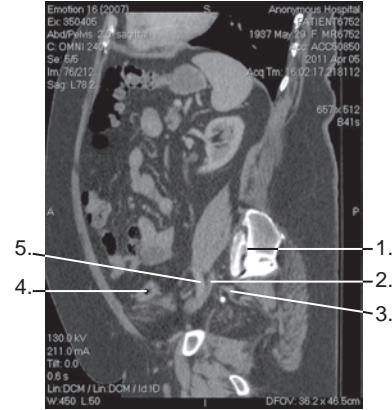


Figure 7-78

1. Which number illustrates the internal iliac vessels?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 5
2. Which of the following is illustrated by 2?
 - ☐ A. Left adnexal area
 - ☐ B. External iliac artery
 - ☐ C. External iliac vein
 - ☐ D. Internal iliac vessels
3. Which of the following is illustrated by 5?
 - ☐ A. Left adnexal area
 - ☐ B. External iliac artery
 - ☐ C. External iliac vein
 - ☐ D. Internal iliac vessels
4. Which number illustrates the sacroiliac joint?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1
5. Which of the following is illustrated by 4?
 - ☐ A. Adnexal area
 - ☐ B. Sigmoid colon
 - ☐ C. Ileum
 - ☐ D. External iliac artery

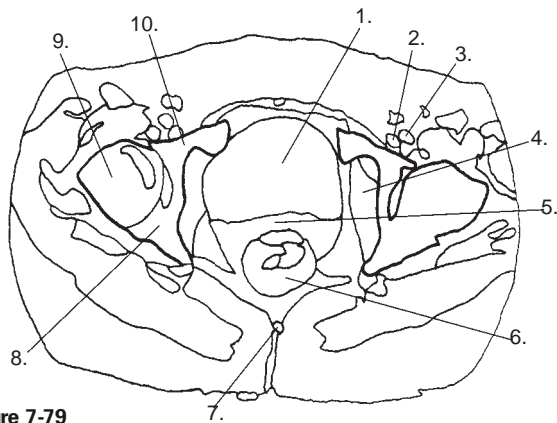
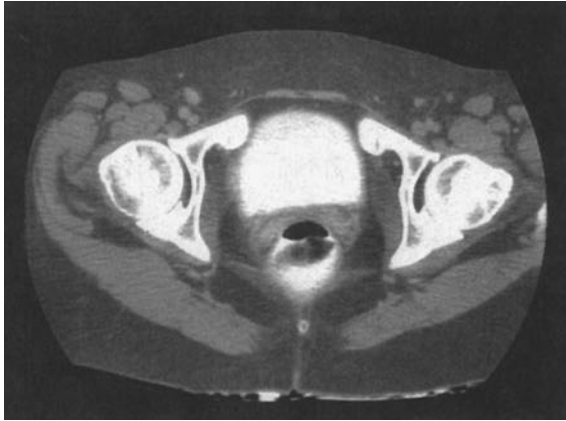


Figure 7-79

1. Which of the following is illustrated by 4?
 - ☐ A. Left adnexal area
 - ☐ B. Body of the uterus
 - ☐ C. Pelvic diaphragm
 - ☐ D. Obturator foramen
2. Which number illustrates the pubis?
 - ☐ A. 5
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 10
3. Which of the following is illustrated by 9?
 - ☐ A. Right pubis
 - ☐ B. Head of the right femur
 - ☐ C. Right ischium
 - ☐ D. Greater trochanter of the femur
4. Which of the following is illustrated by 7?
 - ☐ A. Coccyx
 - ☐ B. Sacrum
 - ☐ C. Ischium
 - ☐ D. Pubis
5. Which number illustrates the ischium?
 - ☐ A. 4
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 5

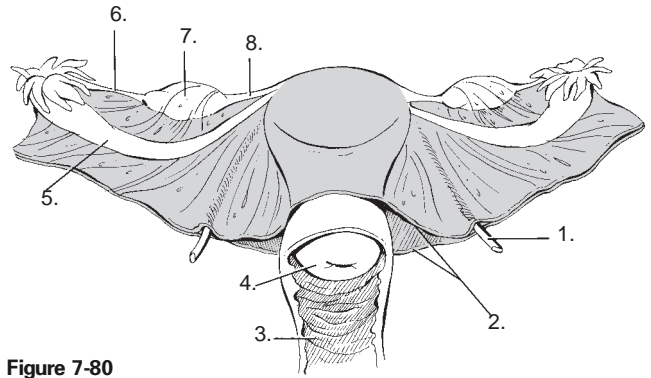


Figure 7-80

1. Which of the following is illustrated by 1?
 - ☐ A. Oviduct
 - ☐ B. Broad ligament
 - ☐ C. Round ligament
 - ☐ D. Ovarian ligament
2. Which of the following is illustrated by 5?
 - ☐ A. Oviduct
 - ☐ B. Broad ligament
 - ☐ C. Round ligament
 - ☐ D. Ovarian ligament
3. Which of the following is illustrated by 7?
 - ☐ A. Vagina
 - ☐ B. Ovarian ligament
 - ☐ C. Ovary
 - ☐ D. Cervix
4. Which of the following is illustrated by 4?
 - ☐ A. Cervix
 - ☐ B. Urethra
 - ☐ C. Body of the uterus
 - ☐ D. Vaginal fornix
5. Which number illustrates the broad ligament?
 - ☐ A. 5
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 2

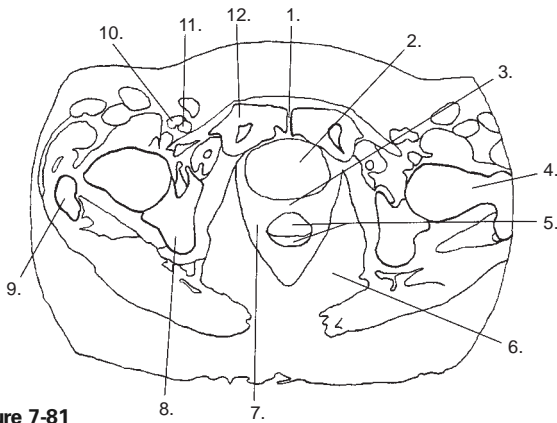
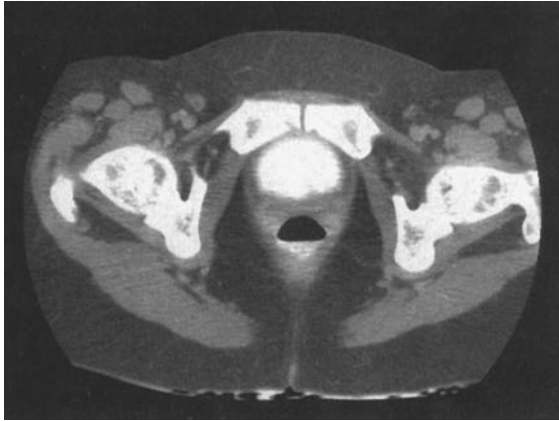


Figure 7-81

- Which number illustrates the pubis?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 12
- Which of the following is illustrated by 1?
 - ☐ A. Right pubis
 - ☐ B. Left ischiorectal fossa
 - ☐ C. Symphysis pubis
 - ☐ D. Obturator foramen
- Which number illustrates the pelvic diaphragm?
 - ☐ A. 1
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 7
- Which of the following is illustrated by 3?
 - ☐ A. Cervix of the uterus
 - ☐ B. Body of the uterus
 - ☐ C. Pelvic diaphragm
 - ☐ D. Left ischiorectal fossa
- Which number illustrates the ischioanal fossa?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 6

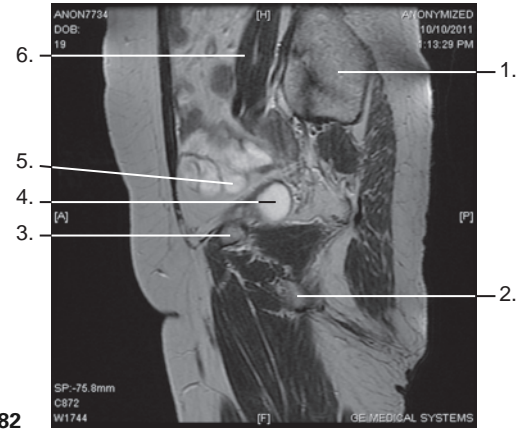


Figure 7-82

- Which number illustrates the ilium?
 - ☐ A. 3
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 2
- Which of the following is illustrated by 3?
 - ☐ A. Pubis
 - ☐ B. Left ischioanal fossa
 - ☐ C. Symphysis pubis
 - ☐ D. Obturator foramen
- Which number illustrates the psoas muscle?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
- Which of the following is illustrated by 4?
 - ☐ A. Ileum
 - ☐ B. Cecum
 - ☐ C. Sigmoid
 - ☐ D. Ascending colon
- Which number illustrates the ischial tuberosity?
 - ☐ A. 4
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 3

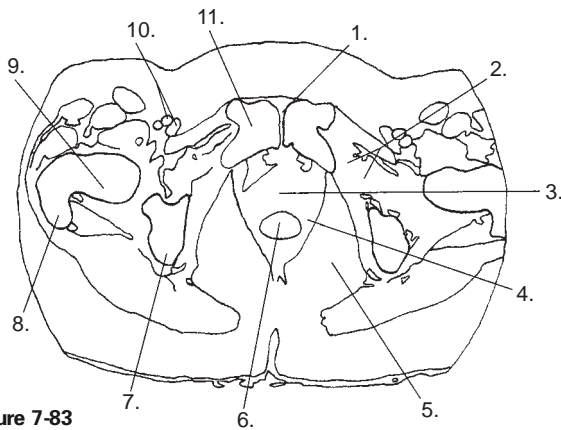


Figure 7-83

1. Which of the following is illustrated by 2?
 - ☐ A. Symphysis pubis
 - ☐ B. Pelvic diaphragm
 - ☐ C. Obturator foramen
 - ☐ D. Ischiorectal fossa
2. Which number illustrates the ischial tuberosity?
 - ☐ A. 9
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 6
3. Which number illustrates the ischiorectal fossa?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5
4. Which of the following is illustrated by 8?
 - ☐ A. Greater trochanter of the right femur
 - ☐ B. Neck of the right femur
 - ☐ C. Lesser trochanter of the right femur
 - ☐ D. Right ischial tuberosity
5. Which of the following is illustrated by 3?
 - ☐ A. Body of the uterus
 - ☐ B. Adnexal area
 - ☐ C. Cervix of the uterus
 - ☐ D. Pelvic diaphragm

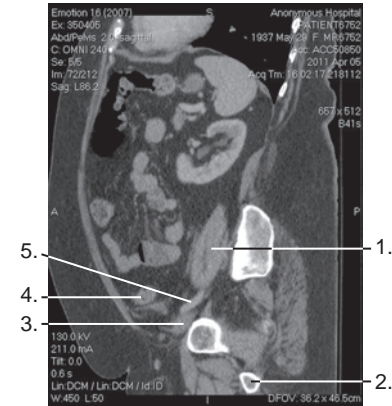


Figure 7-84

1. Which of the following is illustrated by 3?
 - ☐ A. Internal iliac artery
 - ☐ B. External iliac artery
 - ☐ C. Femoral vein
 - ☐ D. External iliac vein
2. Which of the following is illustrated by 1?
 - ☐ A. Psoas muscle
 - ☐ B. Quadriceps femoris
 - ☐ C. Iliacus
 - ☐ D. Obturator internus
3. Which of the following is illustrated by 5?
 - ☐ A. Internal iliac artery
 - ☐ B. External iliac artery
 - ☐ C. Femoral vein
 - ☐ D. External iliac vein
4. Which of the following is illustrated by 4?
 - ☐ A. Rectum
 - ☐ B. Ileum
 - ☐ C. Sigmoid
 - ☐ D. Cecum
5. Which of the following is illustrated by 5?
 - ☐ A. Ischial tuberosity
 - ☐ B. Inferior pubic ramus
 - ☐ C. Superior pubic ramus
 - ☐ D. Acetabulum

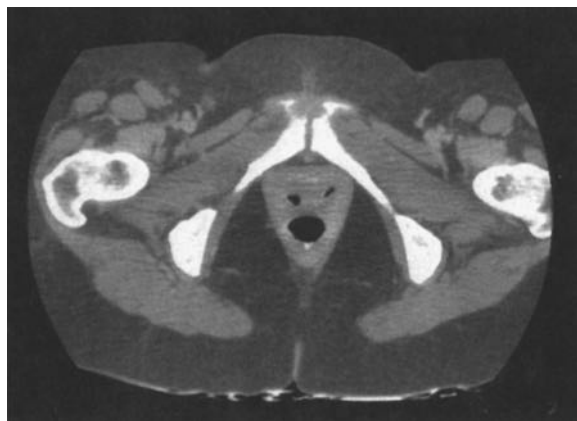


Figure 7-85

- Which number illustrates the cervix of the uterus?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6
- Which of the following is illustrated by 2?
 - ☐ A. Urethra
 - ☐ B. Posterior vaginal fornix
 - ☐ C. Ureter
 - ☐ D. Cervix of the uterus
- Which number illustrates the obturator foramen?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 11
 - ☐ D. 7
- Which of the following is illustrated by 5?
 - ☐ A. Ischial ramus
 - ☐ B. Ischial tuberosity
 - ☐ C. Superior pubic ramus
 - ☐ D. Inferior pubic ramus
- Which of the following is illustrated by 4?
 - ☐ A. Symphysis pubis
 - ☐ B. Posterior vaginal fornix
 - ☐ C. Pelvic diaphragm
 - ☐ D. Urethra

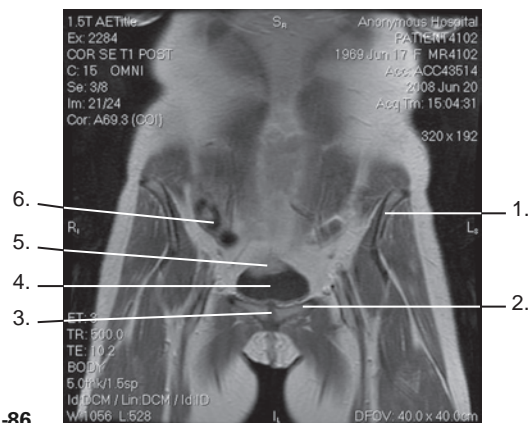


Figure 7-86

- Which of the following is illustrated by 2?
 - ☐ A. Acetabulum
 - ☐ B. Ischium
 - ☐ C. Ilium
 - ☐ D. Pubis
- Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Pubis
 - ☐ C. Ischium
 - ☐ D. Ileum
- Which number illustrates the fundus of the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2
- Which of the following is illustrated by 6?
 - ☐ A. Rectum
 - ☐ B. Ileum
 - ☐ C. Sigmoid
 - ☐ D. Cecum
- Which of the following is illustrated by 3?
 - ☐ A. Ischial tuberosity
 - ☐ B. Symphysis pubis
 - ☐ C. Ileum
 - ☐ D. Acetabulum

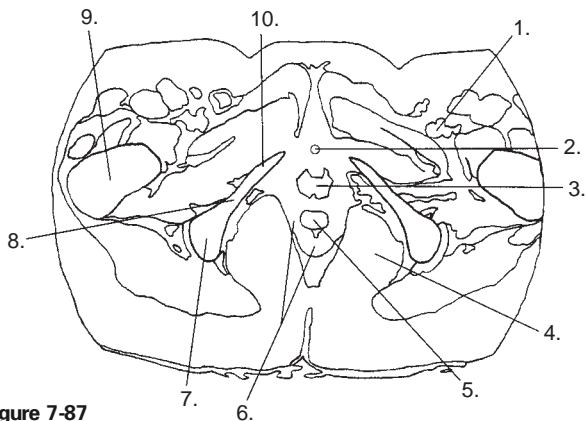
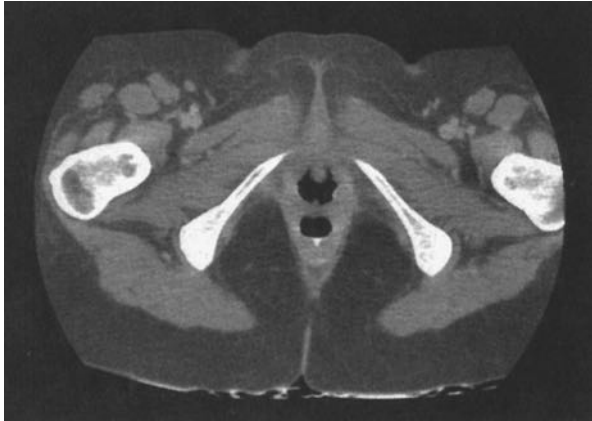


Figure 7-87

1. Which of the following is illustrated by 1?
 - ☐ A. Left ischioirectal fossa
 - ☐ B. Left adnexal area
 - ☐ C. Contents of the femoral sheath
 - ☐ D. External iliac vessels
2. Which of the following is illustrated by 9?
 - ☐ A. Ischial ramus
 - ☐ B. Pubic ramus
 - ☐ C. Shaft of the femur
 - ☐ D. Ischial tuberosity
3. Which of the following is illustrated by 3?
 - ☐ A. Vagina
 - ☐ B. Rectum
 - ☐ C. Urethra
 - ☐ D. Opening within the uterus
4. Which of the following is illustrated by 8?
 - ☐ A. Ilium
 - ☐ B. Ischial tuberosity
 - ☐ C. Pubic ramus
 - ☐ D. Ischial ramus
5. Which number illustrates the ischial tuberosity?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 10
 - ☐ D. 9

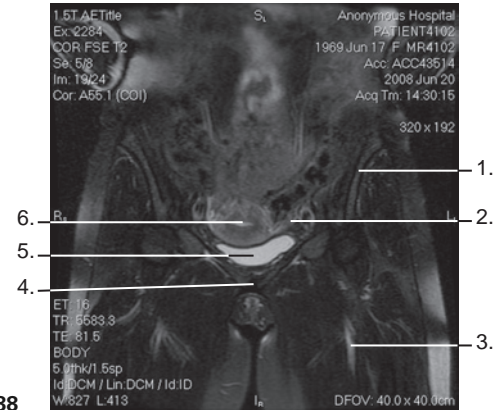


Figure 7-88

1. Which of the following is illustrated by 4?
 - ☐ A. Acetabulum
 - ☐ B. Ischium
 - ☐ C. Ilium
 - ☐ D. Symphysis pubis
2. Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Pubis
 - ☐ C. Ischium
 - ☐ D. Ileum
3. Which number illustrates the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Round ligament
 - ☐ B. Uterus
 - ☐ C. Seminal vesicle
 - ☐ D. Oviduct
5. Which of the following is illustrated by 3?
 - ☐ A. Internal iliac artery
 - ☐ B. External iliac artery
 - ☐ C. Deep femoral artery
 - ☐ D. Common iliac artery

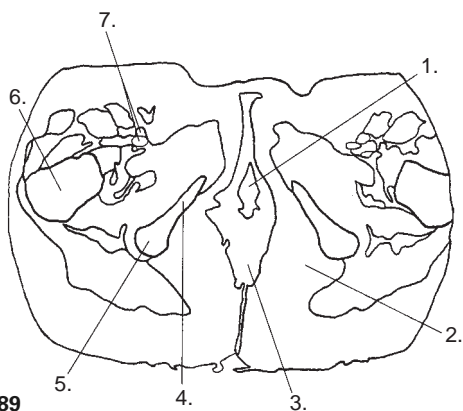
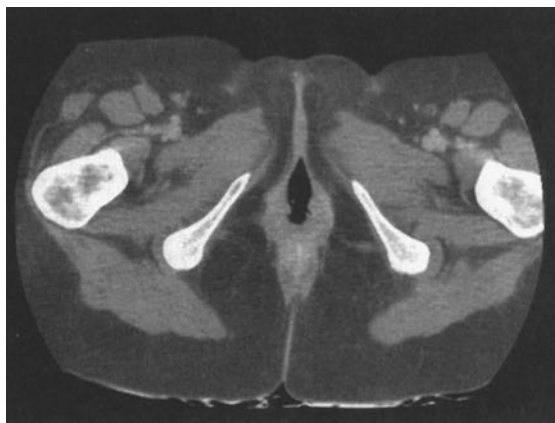


Figure 7-89

1. Which of the following is illustrated by 2?
 - ☐ A. Pelvic diaphragm
 - ☐ B. Ischiorectal fossa
 - ☐ C. Ischial tuberosity
 - ☐ D. Femoral sheath
2. Which number illustrates the ischial tuberosity?
 - ☐ A. 4
 - ☐ B. 1
 - ☐ C. 5
 - ☐ D. 6
3. Which of the following is illustrated by 1?
 - ☐ A. Vagina
 - ☐ B. Rectum
 - ☐ C. Opening within the uterus
 - ☐ D. Ischiorectal fossa
4. Which number illustrates the pelvic diaphragm?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 5
5. Which number illustrates the ischial ramus?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 6

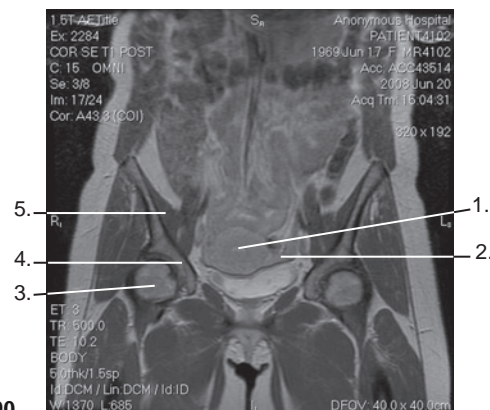


Figure 7-90

1. Which of the following is illustrated by 4?
 - ☐ A. Acetabulum
 - ☐ B. Ischium
 - ☐ C. Ilium
 - ☐ D. Pubis
2. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Quadriceps femoris
 - ☐ C. Iliacus
 - ☐ D. Obturator internus
3. Which number illustrates the body of the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Seminal vesicle
 - ☐ B. Cervix of the uterus
 - ☐ C. Seminal vesicle
 - ☐ D. Broad ligament
5. Which number illustrates the head of the femur?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1

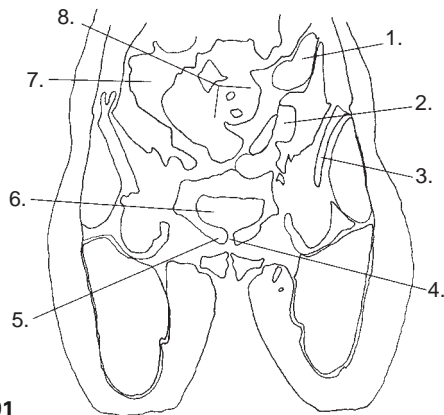


Figure 7-91

1. Which of the following is illustrated by 5?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Pubis
 - ☐ D. Ileum
2. Which of the following is illustrated by 7?
 - ☐ A. Cecum
 - ☐ B. Ascending colon
 - ☐ C. Descending colon
 - ☐ D. Sigmoid colon
3. Which of the following is illustrated by 2?
 - ☐ A. Cecum
 - ☐ B. Ascending colon
 - ☐ C. Descending colon
 - ☐ D. Sigmoid colon
4. Which number illustrates the descending colon?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 8
5. Which number illustrates the ilium?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 8

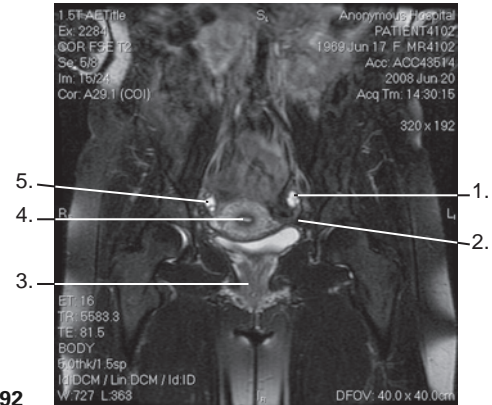


Figure 7-92

1. Which of the following is illustrated by 3?
 - ☐ A. Bladder
 - ☐ B. Vagina
 - ☐ C. Urethra
 - ☐ D. Rectum
2. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Seminal vesicle
 - ☐ C. Cervix of the uterus
 - ☐ D. Ovary
3. Which number illustrates the body of the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Rectum
 - ☐ B. Cervix of the uterus
 - ☐ C. Seminal vesicle
 - ☐ D. Broad ligament
5. Which number illustrates the ovary?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 1

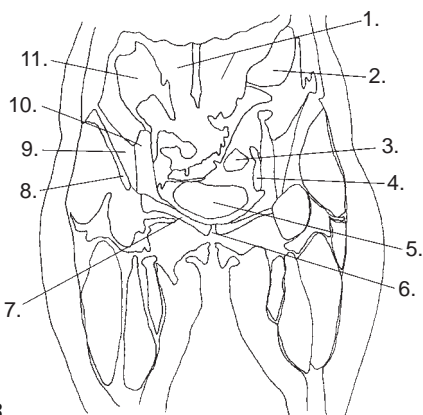


Figure 7-93

1. Which of the following is illustrated by 2?
 - ☐ A. Cecum
 - ☐ B. Descending colon
 - ☐ C. Sigmoid colon
 - ☐ D. Small bowel
2. Which of the following is illustrated by 3?
 - ☐ A. Sigmoid colon
 - ☐ B. Small bowel
 - ☐ C. Descending colon
 - ☐ D. Cecum
3. Which number illustrates the psoas muscle?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 10
4. Which of the following is illustrated by 4?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Femoral artery and vein
 - ☐ D. Common iliac artery and vein
5. Which of the following is illustrated by 1?
 - ☐ A. Cecum
 - ☐ B. Descending colon
 - ☐ C. Sigmoid colon
 - ☐ D. Small bowel

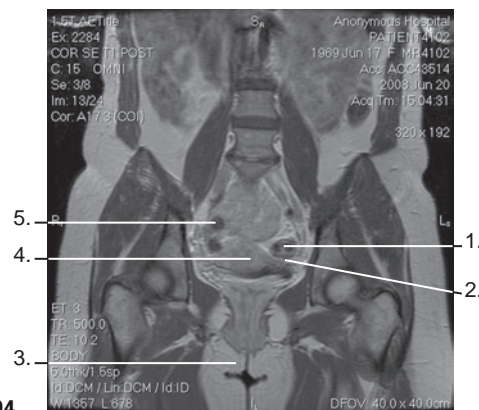


Figure 7-94

1. Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Cecum
 - ☐ C. Sigmoid
 - ☐ D. Ileum
2. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
3. Which number illustrates the cervix of the uterus?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 2?
 - ☐ A. Rectum
 - ☐ B. Ileum
 - ☐ C. Seminal vesicle
 - ☐ D. Broad ligament
5. Which number illustrates the labium majora?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5

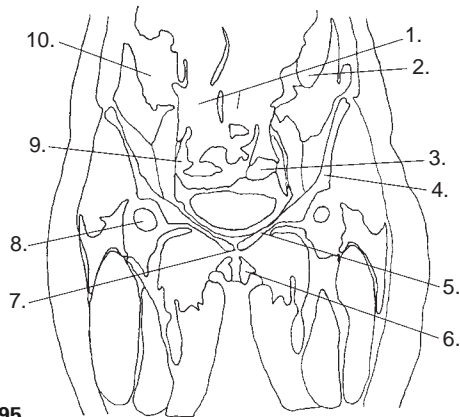


Figure 7-95

1. Which of the following is illustrated by 6?
 - ☐ A. Labium minora
 - ☐ B. Pelvic diaphragm
 - ☐ C. Labium majora
 - ☐ D. Ischiorectal fossa
2. Which of the following is illustrated by 9?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Femoral artery and vein
 - ☐ D. Common iliac artery and vein
3. Which number illustrates the descending colon?
 - ☐ A. 10
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 3
4. Which of the following is illustrated by 5?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Pubis
 - ☐ D. Pelvic diaphragm
5. Which number illustrates the sigmoid colon?
 - ☐ A. 10
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 3

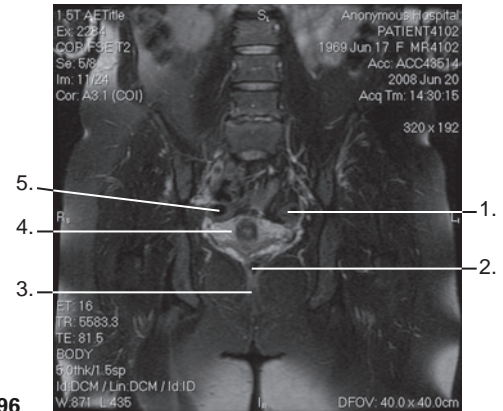


Figure 7-96

1. Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Cecum
 - ☐ C. Sigmoid
 - ☐ D. Ileum
2. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
3. Which number illustrates the rectum?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 3?
 - ☐ A. Ilium
 - ☐ B. Ischiorectal fossa
 - ☐ C. Ischium
 - ☐ D. Rectal wall
5. Which number illustrates the cervix of the uterus?
 - ☐ A. 2
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 5

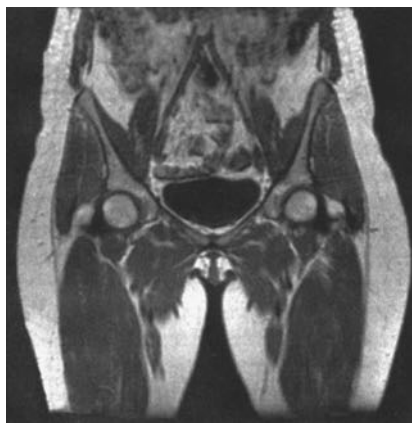


Figure 7-97

- Which of the following is illustrated by 12?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Femoral artery and vein
 - ☐ D. Common iliac artery
- Which number illustrates the small bowel?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 9
 - ☐ D. 11
- Which number illustrates the iliacus muscle?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 11
 - ☐ D. 10
- Which of the following is illustrated by 7?
 - ☐ A. Ilium
 - ☐ B. Ischium
 - ☐ C. Pubis
 - ☐ D. Pelvic diaphragm
- Which of the following is illustrated by 5?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Femoral artery and vein
 - ☐ D. Common iliac artery and vein

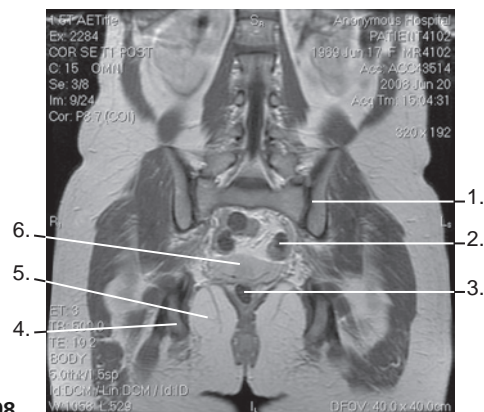


Figure 7-98

- Which of the following is illustrated by 1?
 - ☐ A. Ilium
 - ☐ B. Sacroiliac joint
 - ☐ C. Sacrum
 - ☐ D. Ischial tuberosity
- Which of the following is illustrated by 2?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
- Which number illustrates the ischiorectal fossa?
 - ☐ A. 5
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 2
- Which of the following is illustrated by 4?
 - ☐ A. Ilium
 - ☐ B. Sacroiliac joint
 - ☐ C. Sacrum
 - ☐ D. Ischial tuberosity
- Which number illustrates the cervix of the uterus?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 5

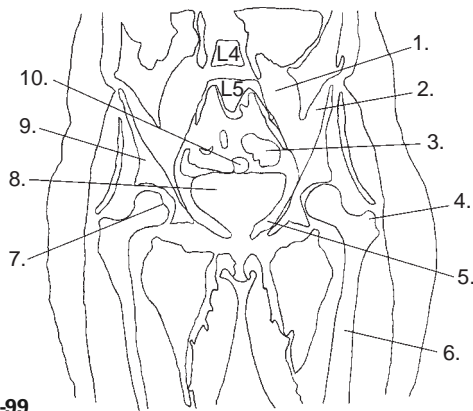


Figure 7-99

1. Which of the following is illustrated by 1?
 - ☐ A. Descending colon
 - ☐ B. Sigmoid colon
 - ☐ C. Psoas muscle
 - ☐ D. Iliacus muscle
2. Which of the following is illustrated by 7?
 - ☐ A. Greater trochanter of the femur
 - ☐ B. Shaft of the femur
 - ☐ C. Fovea capitis femoris
 - ☐ D. Lesser trochanter of the femur
3. Which of the following is illustrated by 10?
 - ☐ A. Small bowel
 - ☐ B. Sigmoid colon
 - ☐ C. Cecum
 - ☐ D. Descending colon
4. Which number illustrates the bladder?
 - ☐ A. 3
 - ☐ B. 10
 - ☐ C. 8
 - ☐ D. 9
5. Which number illustrates the ilium?
 - ☐ A. 3
 - ☐ B. 10
 - ☐ C. 9
 - ☐ D. 8

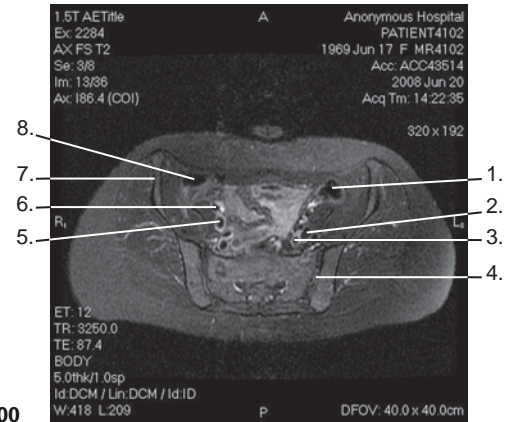


Figure 7-100

1. Which of the following is illustrated by 2?
 - ☐ A. External iliac artery
 - ☐ B. External iliac vein
 - ☐ C. Internal iliac artery
 - ☐ D. Internal iliac vein
2. Which of the following is illustrated by 1?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
3. Which number illustrates the cecum?
 - ☐ A. 5
 - ☐ B. 8
 - ☐ C. 1
 - ☐ D. 2
4. Which of the following is illustrated by 6?
 - ☐ A. External iliac artery
 - ☐ B. External iliac vein
 - ☐ C. Internal iliac artery
 - ☐ D. Internal iliac vein
5. Which number illustrates the ilium?
 - ☐ A. 1
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 5

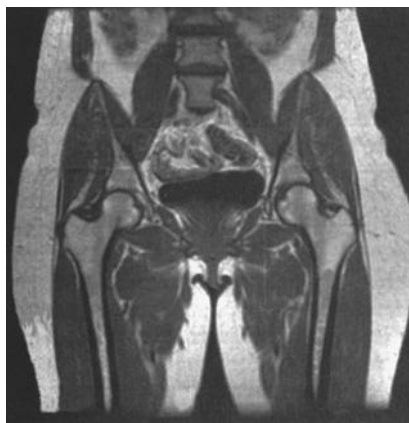


Figure 7-101

- Which of the following is illustrated by 1?
 - ☐ A. Small bowel
 - ☐ B. Sigmoid colon
 - ☐ C. Psoas muscle
 - ☐ D. Iliacus muscle
- Which of the following is illustrated by 11?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Femoral artery and vein
 - ☐ D. Common iliac artery and vein
- Which of the following is illustrated by 7?
 - ☐ A. Uterus
 - ☐ B. Wall of the bladder
 - ☐ C. Pelvic diaphragm
 - ☐ D. Cervix
- Which of the following is illustrated by 6?
 - ☐ A. Ureter
 - ☐ B. Urethra
 - ☐ C. Vagina
 - ☐ D. Vaginal fornix
- Which number illustrates the small bowel?
 - ☐ A. 1
 - ☐ B. 10
 - ☐ C. 7
 - ☐ D. 9

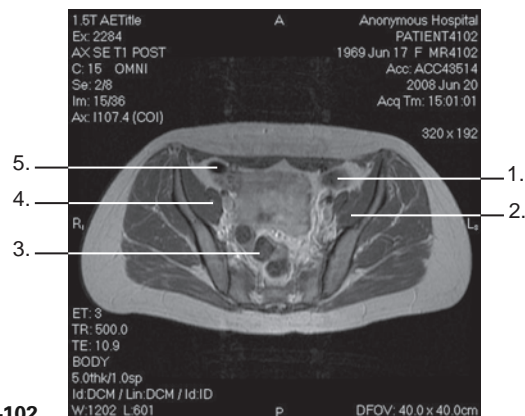


Figure 7-102

- Which of the following is illustrated by 4?
 - ☐ A. Gluteus maximus
 - ☐ B. Psoas muscle
 - ☐ C. Inferior gemellus muscle
 - ☐ D. Obturator internus muscle
- Which of the following is illustrated by 3?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
- Which number illustrates the cecum?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
- Which of the following is illustrated by 1?
 - ☐ A. Rectum
 - ☐ B. Fundus of the uterus
 - ☐ C. Sigmoid colon
 - ☐ D. Body of the uterus
- Which number illustrates the ileum?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 4



Figure 7-103

- Which number illustrates the adnexal area?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 8
 - ☐ D. 9
- Which number illustrates the cervix?
 - ☐ A. 4
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 6
- Which of the following is illustrated by 6?
 - ☐ A. Urethra
 - ☐ B. Cervix of the uterus
 - ☐ C. Vagina
 - ☐ D. Rectum
- Which of the following is illustrated by 3?
 - ☐ A. Posterior bladder
 - ☐ B. Sigmoid colon
 - ☐ C. Small bowel
 - ☐ D. Body of the uterus
- Which of the following is illustrated by 4?
 - ☐ A. Adnexal area
 - ☐ B. Cervix of the uterus
 - ☐ C. Posterior bladder
 - ☐ D. Fundus of the uterus

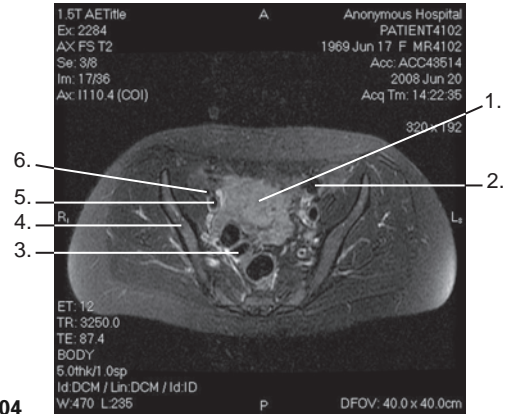


Figure 7-104

- Which of the following is illustrated by 6?
 - ☐ A. External iliac artery
 - ☐ B. External iliac vein
 - ☐ C. Internal iliac artery
 - ☐ D. Internal iliac vein
- Which of the following is illustrated by 3?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
- Which number illustrates the uterus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
- Which of the following is illustrated by 2?
 - ☐ A. Roof of the bladder
 - ☐ B. Fundus of the uterus
 - ☐ C. Sigmoid colon
 - ☐ D. Ileum
- Which number illustrates the ileum?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 4

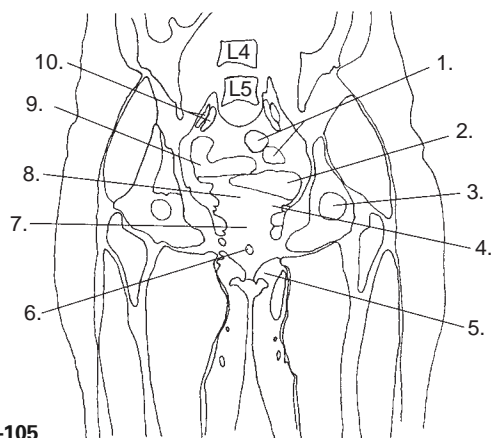


Figure 7-105

- Which number illustrates the sigmoid colon?
 - ☐ A. 9
 - ☐ B. 1
 - ☐ C. 2
 - ☐ D. 8
- Which of the following is illustrated by 7?
 - ☐ A. Urethra
 - ☐ B. Cervix of the uterus
 - ☐ C. Vagina
 - ☐ D. Rectum
- Which of the following is illustrated by 4?
 - ☐ A. Adnexal area
 - ☐ B. Cervix of the uterus
 - ☐ C. Posterior bladder
 - ☐ D. Fundus of the uterus
- Which of the following is illustrated by 3?
 - ☐ A. Ischium
 - ☐ B. Femur
 - ☐ C. Ilium
 - ☐ D. Pubis
- Which of the following is illustrated by 10?
 - ☐ A. Internal iliac artery and vein
 - ☐ B. External iliac artery and vein
 - ☐ C. Common iliac artery and vein
 - ☐ D. Femoral artery and vein

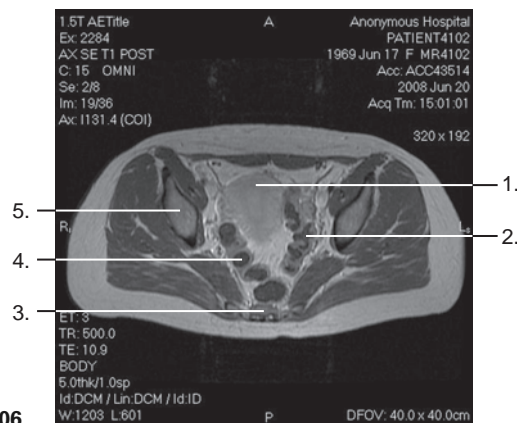


Figure 7-106

- Which of the following is illustrated by 3?
 - ☐ A. Ilium
 - ☐ B. Sacroiliac joint
 - ☐ C. Sacrum
 - ☐ D. Ischial tuberosity
- Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
- Which number illustrates the fundus of the uterus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 1
 - ☐ D. 2
- Which of the following is illustrated by 2?
 - ☐ A. Rectum
 - ☐ B. Fundus of the uterus
 - ☐ C. Sigmoid colon
 - ☐ D. Body of the uterus
- Which number illustrates the ileum?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 4

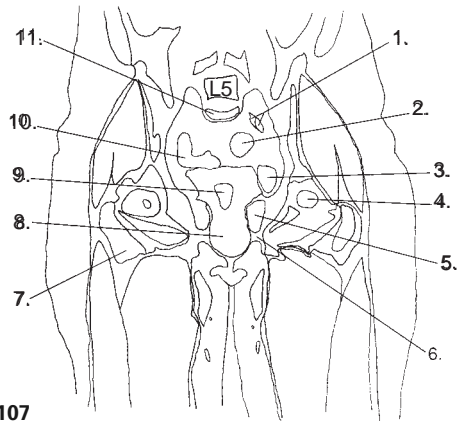


Figure 7-107

1. Which of the following is illustrated by 8?
 - ☐ A. Vagina
 - ☐ B. Urethra
 - ☐ C. Anal sphincter
 - ☐ D. Ischioanal fossa
2. Which of the following is illustrated by 9?
 - ☐ A. Urethra
 - ☐ B. Vagina
 - ☐ C. Rectum
 - ☐ D. Sigmoid colon
3. Which of the following is illustrated by 3?
 - ☐ A. Small bowel
 - ☐ B. Sigmoid colon
 - ☐ C. Adnexal area
 - ☐ D. Posterior bladder
4. Which number illustrates the pelvic diaphragm?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 5
 - ☐ D. 7
5. Which of the following is illustrated by 1?
 - ☐ A. Common iliac artery and vein
 - ☐ B. Internal iliac artery and vein
 - ☐ C. External iliac artery and vein
 - ☐ D. Gluteal artery and vein

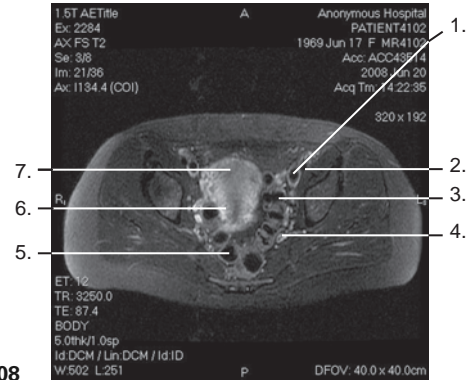


Figure 7-108

1. Which of the following is illustrated by 1?
 - ☐ A. Femoral artery
 - ☐ B. Femoral vein
 - ☐ C. Small bowel
 - ☐ D. Ileum
2. Which of the following is illustrated by 5?
 - ☐ A. Ileum
 - ☐ B. Sigmoid
 - ☐ C. Ilium
 - ☐ D. Small bowel
3. Which number illustrates the body of the uterus?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 6
4. Which of the following is illustrated by 7?
 - ☐ A. Rectum
 - ☐ B. Fundus of the uterus
 - ☐ C. Sigmoid colon
 - ☐ D. Body of the uterus
5. Which number illustrates the sigmoid colon?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 5

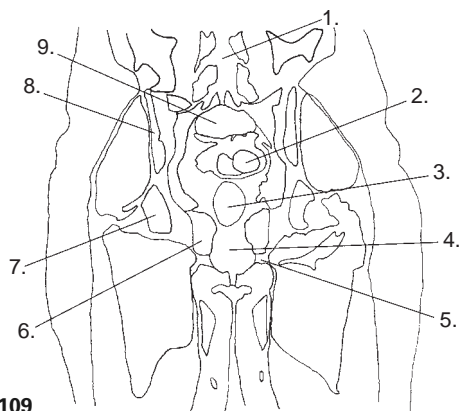


Figure 7-109

1. Which of the following is illustrated by 7?
 - ☐ A. Ilium
 - ☐ B. Ischial tuberosity
 - ☐ C. Pubis
 - ☐ D. Ischial spine
2. Which of the following is illustrated by 3?
 - ☐ A. Rectum
 - ☐ B. Vagina
 - ☐ C. Sigmoid colon
 - ☐ D. Small bowel
3. Which number illustrates the vertebral foramen?
 - ☐ A. 1
 - ☐ B. 9
 - ☐ C. 2
 - ☐ D. 3
4. Which number illustrates the rectum?
 - ☐ A. 2
 - ☐ B. 3
 - ☐ C. 4
 - ☐ D. 9
5. Which number illustrates the ilium?
 - ☐ A. 6
 - ☐ B. 7
 - ☐ C. 8
 - ☐ D. 9

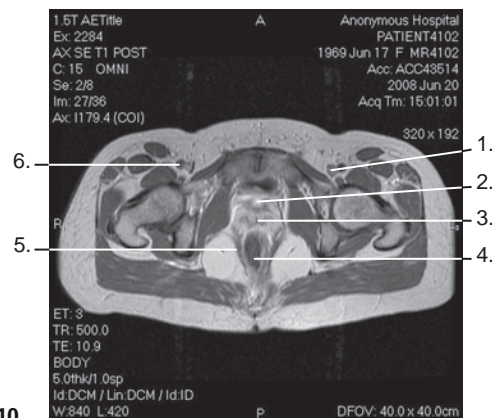


Figure 7-110

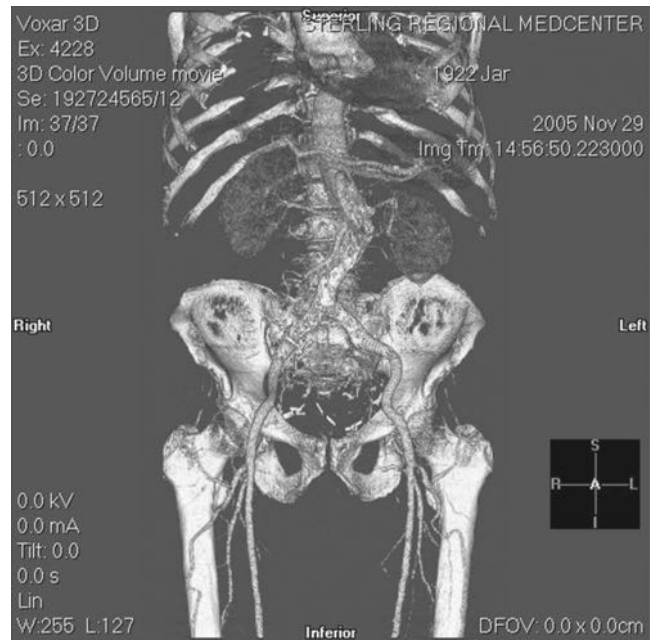
1. Which of the following is illustrated by 1?
 - ☐ A. Femoral artery
 - ☐ B. Femoral vein
 - ☐ C. Pelvic diaphragm
 - ☐ D. Obturator foramen
2. Which of the following is illustrated by 5?
 - ☐ A. Rectum
 - ☐ B. Vagina
 - ☐ C. Anal sphincter
 - ☐ D. Pelvic diaphragm
3. Which number illustrates the rectum?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Rectum
 - ☐ B. Vagina
 - ☐ C. Urethra
 - ☐ D. Anal sphincter
5. Which number illustrates the vagina?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 7

CLINICAL APPLICATIONS

1. Which of the following is considered retroperitoneal in location?
☐ A. Ileum
☐ B. Transverse colon
☐ C. Jejunum
☐ D. Ascending colon
2. Which of the following is the erectile tissue forming the anterior part of the penis?
☐ A. Cavernosum spongiosum
☐ B. Corpus cavernosum
☐ C. Corpus spongiosum
☐ D. Cavernosum spongiosum
3. Which of the following structures would be considered most posterior in the pelvis?
☐ A. Lower bladder
☐ B. Urethra
☐ C. Prostate
☐ D. Seminal vesicles
4. All of the following muscles form the pelvic diaphragm except the
☐ A. iliacus.
☐ B. levator ani.
☐ C. coccygeus.
☐ D. All of the above from the pelvic diaphragm
5. The femoral artery originates from the
☐ A. common iliac artery.
☐ B. gluteal artery.
☐ C. external iliac artery.
☐ D. internal iliac artery.
6. In an axial section through the pelvis, which alimentary structure would be most inferior?
☐ A. Ascending colon
☐ B. Descending colon
☐ C. Sigmoid colon
☐ D. Rectum
7. Which of the following is located most inferiorly?
☐ A. Acetabulum
☐ B. Coccyx
☐ C. Symphysis pubis
☐ D. Obturator foramen
8. Which of the following best describes the position of the greater trochanter of the femur?
☐ A. Anterior and medial
☐ B. Posterior and medial
☐ C. Anterior and lateral
☐ D. Posterior and lateral
9. The most distinctive difference between the lower segments of the sacrum and the coccyx is the absence of the _____.
10. What space surrounds the cervix of the uterus extending into the vagina?

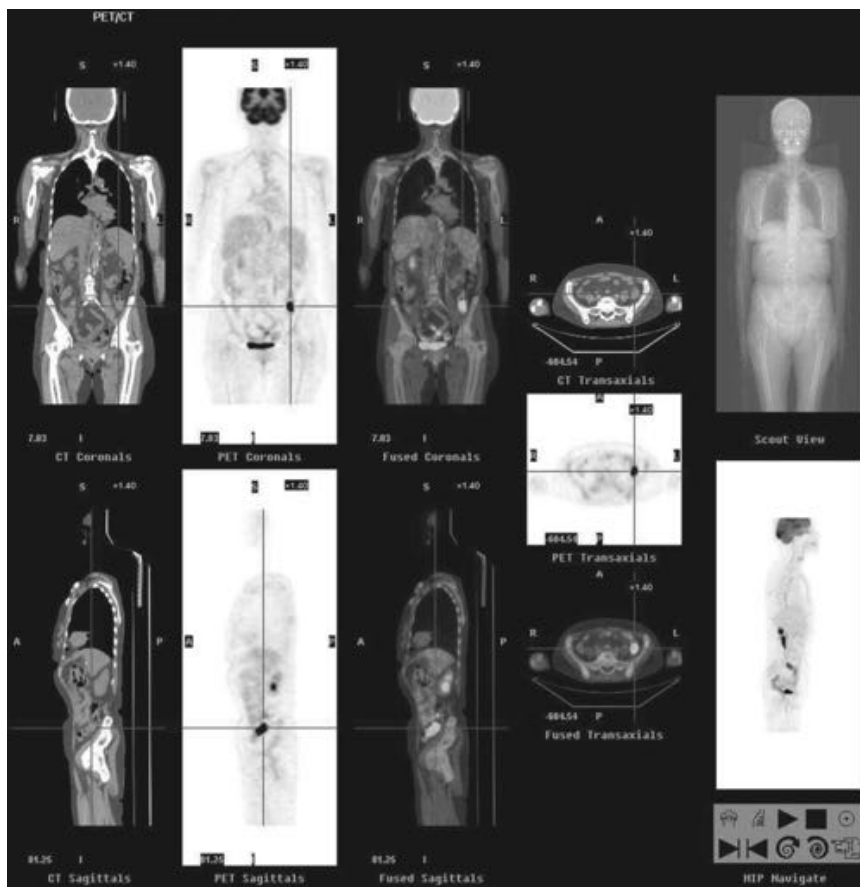
CLINICAL CORRELATIONS

Clinical Case 7-1



- Both images provided above were generated during which of the following procedures?
 - ☐ A. Computed tomography angiography (CTA)
 - ☐ B. Magnetic resonance angiography (MRA)
 - ☐ C. Ultrasound
 - ☐ D. Positron emission tomography/computed tomography (PET/CT)
- In this patient, the stent graft has been placed in which of the following?
 - ☐ A. Right common iliac artery
 - ☐ B. Left common iliac artery
 - ☐ C. Abdominal aorta
 - ☐ D. All of the above
- Which of the following best describes how the internal iliac arteries exit the pelvis?
 - ☐ A. Obturator foramina
 - ☐ B. Posterior bony pelvis
 - ☐ C. Sacral foramina
 - ☐ D. Anterior bony pelvis
- Does the endograft appear to be patent?
 - ☐ A. Yes
 - ☐ B. No
- The external iliac artery gives rise to the femoral artery after passing which of the following anatomic landmarks?
 - ☐ A. Sacral promontory
 - ☐ B. Greater sciatic notch
 - ☐ C. Ilium
 - ☐ D. Pubic bone

Clinical Case 7-2



- According to the marker lines, increased metabolic rate was detected in which of the following?
 - ☐ A. Cecum
 - ☐ B. Sigmoid colon
 - ☐ C. Ascending colon
 - ☐ D. Descending colon
- The strong signal demonstrated in the midline of the pelvis would best be described by which of the following?
 - ☐ A. Prostate
 - ☐ B. Uterus
 - ☐ C. Urinary bladder
 - ☐ D. Seminal vesicles
- Which of the following is the lower part of the large bowel found in the right greater pelvis?
 - ☐ A. Cecum
 - ☐ B. Sigmoid colon
 - ☐ C. Ascending colon
 - ☐ D. Descending colon
- On the CT image, which part of the bowel would most likely be sectioned in the anterior part of the greater pelvis?
 - ☐ A. Cecum
 - ☐ B. Sigmoid colon
 - ☐ C. Ileum
 - ☐ D. Jejunum
- In a sequence of axial sections, which of the following would be the most inferior part of the large bowel?
 - ☐ A. Cecum
 - ☐ B. Sigmoid colon
 - ☐ C. Ascending colon
 - ☐ D. Descending colon

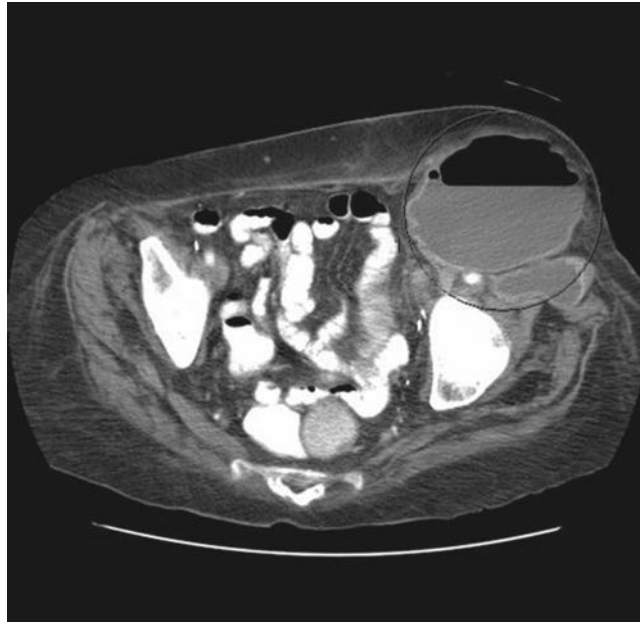
Clinical Case 7-3

1. In this axial CT image, describe the location of the testicular prosthesis in this young male patient previously treated for testicular seminoma.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 7-4



1. Describe the location of the pelvic abscess originating from an infected diverticulum in the descending colon as shown in this axial CT image through the lower abdomen.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 7-5

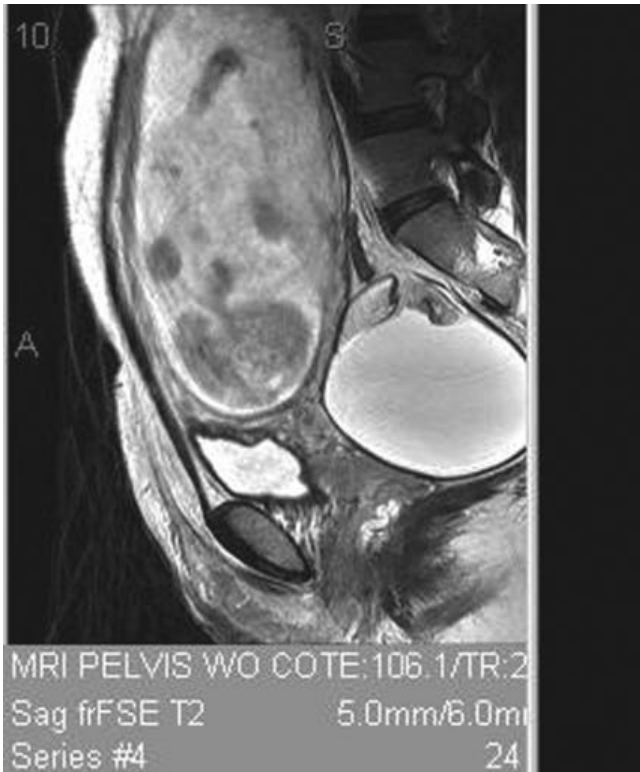


1. Describe the location of the adenocarcinoma shown in this 47-year-old woman. The PET image is shown on the left with a corresponding fused PET/CT image on the right.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 7-6

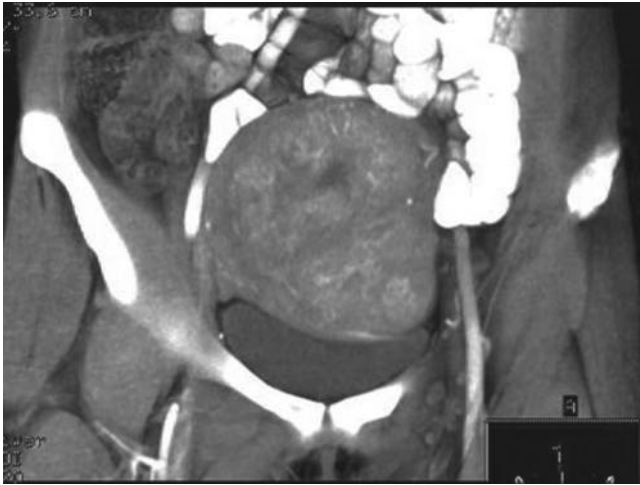


1. Describe the location of the cystic mass found on the selected MR sagittal images of this pregnant patient.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 7-7

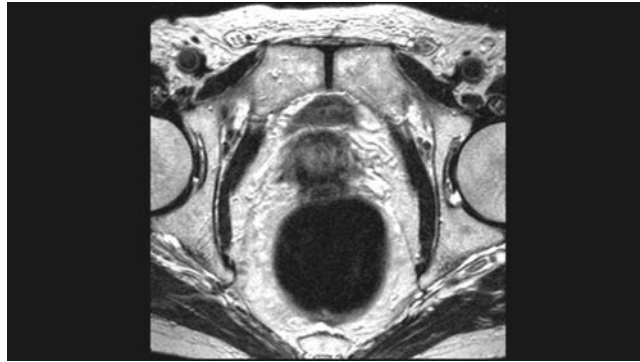


1. Describe the location of the uterine fibroid shown in the coronal (left) and sagittal (right) CT images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 7-8



1. Describe the location of the prostate carcinoma in the axial MR section of this 81-year-old male patient.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

CHAPTER 8

Joints

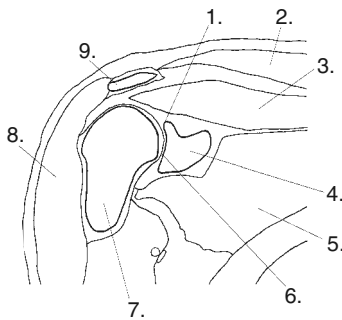
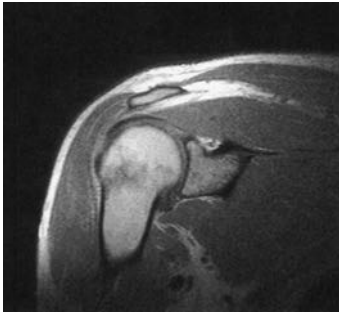


Figure 8-1

- Which of the following illustrates 6?
 - ☐ A. Glenohumeral joint
 - ☐ B. Acromioclavicular joint
 - ☐ C. Axillary recess
 - ☐ D. Inferior glenoid labrum
- Which number illustrates the trapezius muscle?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 8
- Which of the following is illustrated by 4?
 - ☐ A. Superior glenoid labrum
 - ☐ B. Glenohumeral joint
 - ☐ C. Acromion process of the scapula
 - ☐ D. Glenoid process of the scapula
- Which of the following is illustrated by 1?
 - ☐ A. Superior glenoid labrum
 - ☐ B. Acromion process
 - ☐ C. Axillary recess
 - ☐ D. Acromioclavicular joint
- Which number illustrates the supraspinatus muscle?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 3
 - ☐ D. 8

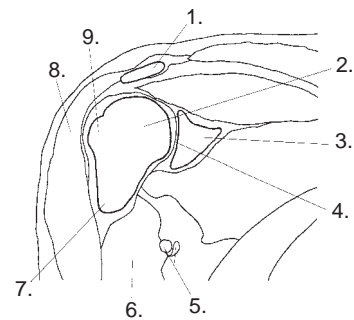
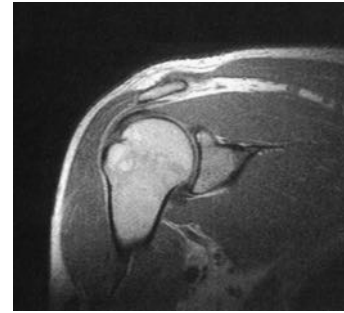


Figure 8-2

- Which of the following is illustrated by 6?
 - ☐ A. Subscapular muscle
 - ☐ B. Teres minor muscle
 - ☐ C. Deltoid muscle
 - ☐ D. Teres major muscle
- Which of the following is illustrated by 9?
 - ☐ A. Lesser tubercle of the humerus
 - ☐ B. Greater tubercle of the humerus
 - ☐ C. Surgical neck
 - ☐ D. Head of the humerus
- Which of the following is illustrated by 1?
 - ☐ A. Greater tubercle of the humerus
 - ☐ B. Surgical neck of the humerus
 - ☐ C. Acromion process of the scapula
 - ☐ D. Head of the humerus
- Which of the following is illustrated by 7?
 - ☐ A. Surgical neck of the humerus
 - ☐ B. Greater tubercle of the humerus
 - ☐ C. Head of the humerus
 - ☐ D. Acromion process of the scapula
- Which of the following is illustrated by 2?
 - ☐ A. Acromion process of the scapula
 - ☐ B. Greater tubercle of the humerus
 - ☐ C. Head of the humerus
 - ☐ D. Surgical neck of the humerus

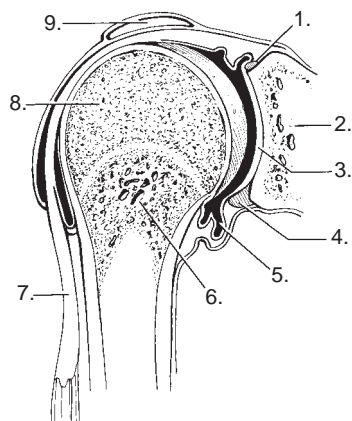


Figure 8-3

1. Which of the following is illustrated by 3?
 - ☐ A. Articular cartilage in the glenoid fossa
 - ☐ B. Superior glenoid labrum
 - ☐ C. Inferior glenoid labrum
 - ☐ D. Axillary recess of the articular cavity
2. Which of the following is illustrated by 1?
 - ☐ A. Acromion process of the scapula
 - ☐ B. Glenoid process of the scapula
 - ☐ C. Superior glenoid labrum
 - ☐ D. Clavicle
3. Which number illustrates the acromion process?
 - ☐ A. 4
 - ☐ B. 9
 - ☐ C. 2
 - ☐ D. 1
4. Which number illustrates the inferior glenoid labrum?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 2?
 - ☐ A. Superior glenoid labrum
 - ☐ B. Inferior glenoid labrum
 - ☐ C. Glenoid process of the scapula
 - ☐ D. Acromion process of the scapula

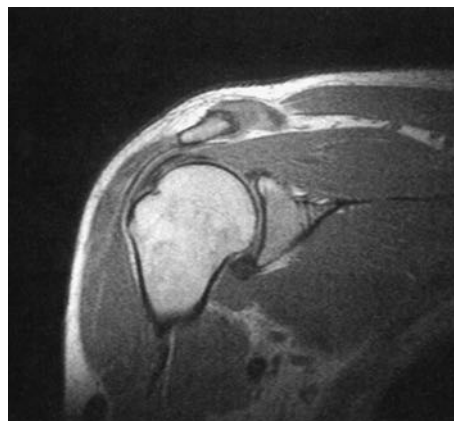


Figure 8-4

1. Which of the following is illustrated by 1?
 - ☐ A. Glenoid process of the scapula
 - ☐ B. Clavicle
 - ☐ C. Greater tubercle
 - ☐ D. Acromion process of the scapula
2. Which number illustrates the supraspinatus muscle?
 - ☐ A. 2
 - ☐ B. 8
 - ☐ C. 7
 - ☐ D. 4
3. Which of the following is illustrated by 6?
 - ☐ A. Axillary recess of the articular cavity
 - ☐ B. Glenoid process of the scapula
 - ☐ C. Acromioclavicular joint
 - ☐ D. Articular cartilage
4. Which number illustrates the articular cartilage?
 - ☐ A. 3
 - ☐ B. 10
 - ☐ C. 9
 - ☐ D. 6
5. Which of the following is illustrated by 3?
 - ☐ A. Articular cartilage
 - ☐ B. Glenoid labrum
 - ☐ C. Glenoid process of the scapula
 - ☐ D. Body of the scapula

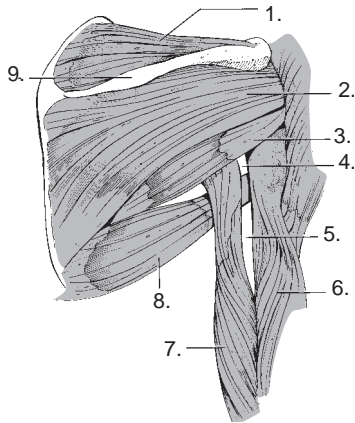


Figure 8-5

1. Which of the following is illustrated by 3?
 - ☐ A. Subscapular muscle
 - ☐ B. Teres minor muscle
 - ☐ C. Deltoid muscle
 - ☐ D. Teres major muscle
2. Which of the following is illustrated by 8?
 - ☐ A. Deltoid muscle
 - ☐ B. Teres minor muscle
 - ☐ C. Subscapular muscle
 - ☐ D. Teres major muscle
3. Which number illustrates the supraspinatus muscle?
 - ☐ A. 4
 - ☐ B. 9
 - ☐ C. 2
 - ☐ D. 1
4. Which number illustrates the infraspinatus muscle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 9?
 - ☐ A. Superior glenoid labrum
 - ☐ B. Scapular spine
 - ☐ C. Glenoid process of the scapula
 - ☐ D. Acromion process of the scapula

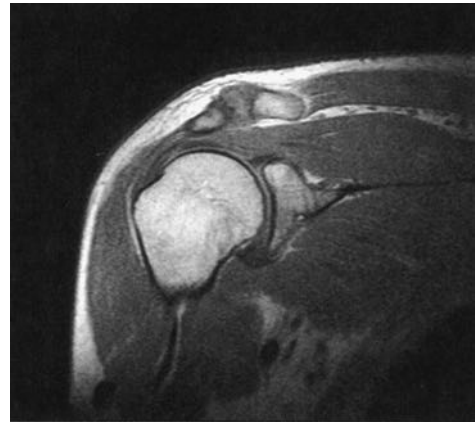


Figure 8-6

1. Which of the following is illustrated by 2?
 - ☐ A. Articular cartilage in the glenoid fossa
 - ☐ B. Superior glenoid labrum
 - ☐ C. Inferior glenoid labrum
 - ☐ D. Axillary recess of the articular cavity
2. Which of the following is illustrated by 1?
 - ☐ A. Acromion process of the scapula
 - ☐ B. Glenoid process of the scapula
 - ☐ C. Superior glenoid labrum
 - ☐ D. Clavicle
3. Which number illustrates the articular cartilage in the glenoid fossa?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 5
4. Which number illustrates the inferior glenoid labrum?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 2
5. Which of the following is illustrated by 3?
 - ☐ A. Superior glenoid labrum
 - ☐ B. Inferior glenoid labrum
 - ☐ C. Glenoid process of the scapula
 - ☐ D. Acromion process of the scapula

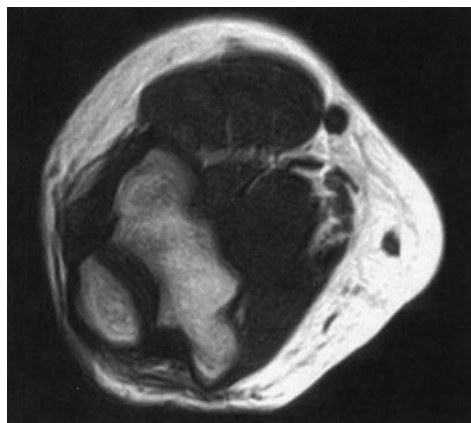


Figure 8-7

- Which illustrates the trochlea?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Coronoid process
 - ☐ B. Coronoid fossa
 - ☐ C. Trochlear notch
 - ☐ D. Olecranon fossa
- Which number illustrates the olecranon process of the ulna?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 4?
 - ☐ A. Medial epicondyle
 - ☐ B. Capitulum
 - ☐ C. Trochlea
 - ☐ D. Lateral epicondyle
- Which of the following is illustrated by 8?
 - ☐ A. Lateral epicondyle
 - ☐ B. Olecranon process
 - ☐ C. Coronoid process
 - ☐ D. Medial epicondyle

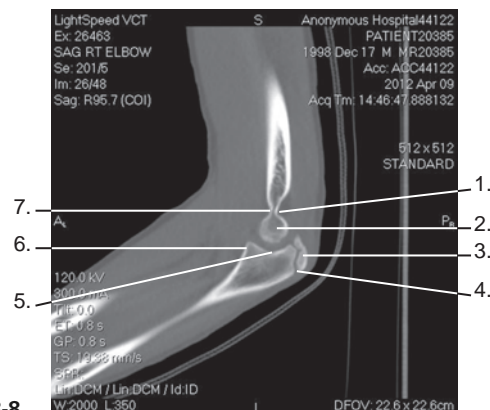


Figure 8-8

- Which illustrates the trochlear notch?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 2?
 - ☐ A. Radius
 - ☐ B. Ulna
 - ☐ C. Trochlea
 - ☐ D. Humerus
- Which number illustrates the olecranon process of the ulna?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 5
- Which of the following is illustrated by 7?
 - ☐ A. Medial epicondyle
 - ☐ B. Capitulum
 - ☐ C. Trochlea
 - ☐ D. Coronoid fossa
- Which of the following is illustrated by 1?
 - ☐ A. Coronoid fossa
 - ☐ B. Coronoid process
 - ☐ C. Olecranon fossa
 - ☐ D. Olecranon process

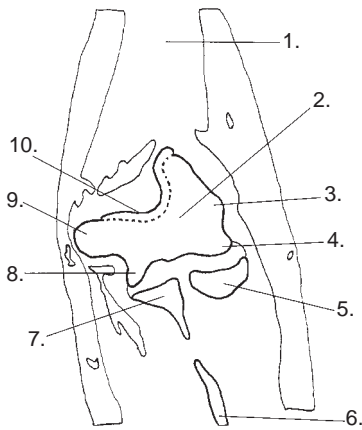
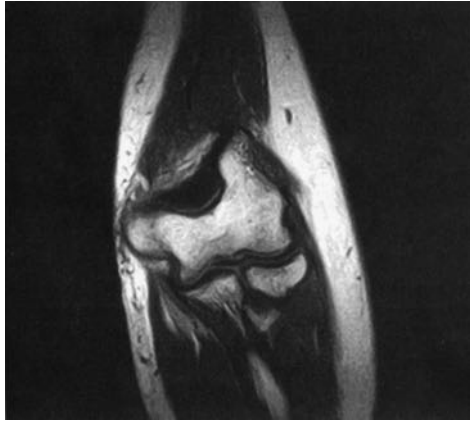


Figure 8-9

1. Which of the following is illustrated by 8?
 - ☐ A. Coronoid process of the ulna
 - ☐ B. Medial epicondyle
 - ☐ C. Trochlea
 - ☐ D. Capitulum
2. Which number illustrates the capitulum?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
3. Which of the following is illustrated by 10?
 - ☐ A. Capitulum
 - ☐ B. Lateral epicondyle
 - ☐ C. Trochlea
 - ☐ D. Olecranon fossa
4. Which number illustrates the lateral epicondyle?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 9
5. Which number illustrates the coronoid process of the ulna?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 9
 - ☐ D. 7

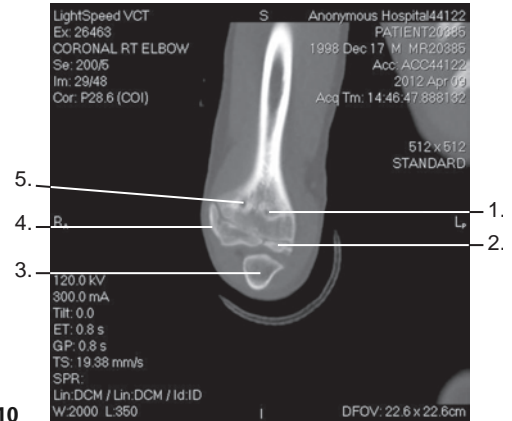


Figure 8-10

1. Which of the following is illustrated by 2?
 - ☐ A. Coronoid process of the ulna
 - ☐ B. Medial epicondyle
 - ☐ C. Trochlea
 - ☐ D. Capitulum
2. Which number illustrates the radial fossa?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
3. Which of the following is illustrated by 1?
 - ☐ A. Capitulum
 - ☐ B. Lateral epicondyle
 - ☐ C. Trochlea
 - ☐ D. Coronoid fossa
4. Which number illustrates the lateral epicondyle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
5. Which number illustrates the olecranon process of the ulna?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2



Figure 8-11

- Which number illustrates the olecranon fossa?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 7
 - ☐ D. 2
- Which of the following is illustrated by 5?
 - ☐ A. Olecranon process of the ulna
 - ☐ B. Articular capsule
 - ☐ C. Trochlear notch
 - ☐ D. Coronoid process of the ulna
- Which number illustrates the triceps muscle?
 - ☐ A. 1
 - ☐ B. 12
 - ☐ C. 11
 - ☐ D. 10
- Which of the following is illustrated by 9?
 - ☐ A. Brachialis muscle
 - ☐ B. Brachial artery
 - ☐ C. Biceps muscle
 - ☐ D. Axillary artery
- Which of the following is illustrated by 7?
 - ☐ A. Capitulum
 - ☐ B. Coronoid fossa
 - ☐ C. Articular capsule
 - ☐ D. Trochlear notch

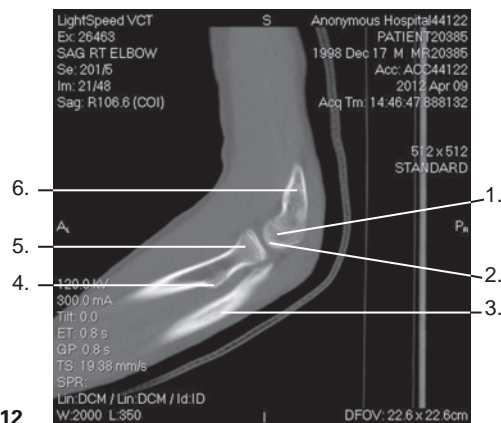


Figure 8-12

- Which of the following is illustrated by 2?
 - ☐ A. Humerus
 - ☐ B. Fovea
 - ☐ C. Head of the radius
 - ☐ D. Capitulum
- Which number illustrates the head of the radius?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 3
- Which of the following is illustrated by 1?
 - ☐ A. Capitulum
 - ☐ B. Fovea
 - ☐ C. Trochlea
 - ☐ D. Coronoid fossa
- Which number illustrates the ulna?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
- Which number illustrates the radial tuberosity?
 - ☐ A. 5
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2

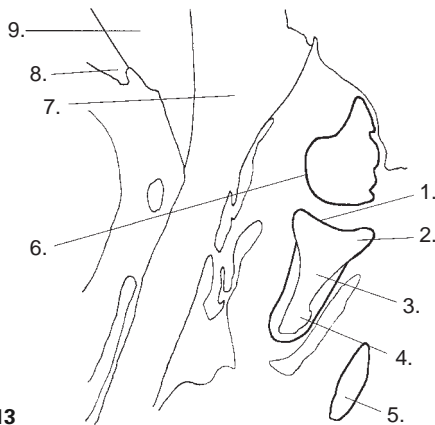
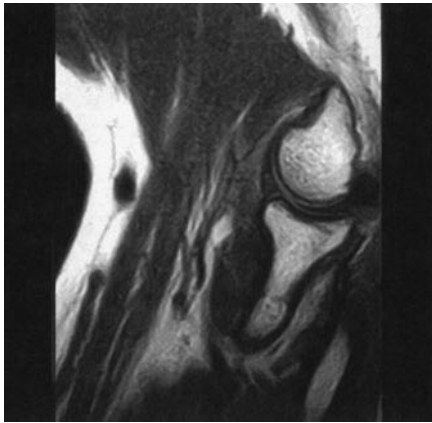


Figure 8-13

1. Which of the following is illustrated by 3?
 - ☐ A. Fovea of the radius
 - ☐ B. Neck of the radius
 - ☐ C. Radial tuberosity
 - ☐ D. Head of the radius
2. Which number illustrates the biceps muscle?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 9
 - ☐ D. 7
3. Which of the following is illustrated by 7?
 - ☐ A. Biceps muscle
 - ☐ B. Deltoid muscle
 - ☐ C. Brachialis muscle
 - ☐ D. Brachioradialis muscle
4. Which number illustrates the fovea of the radius?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 6
5. Which number illustrates the capitulum?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 5

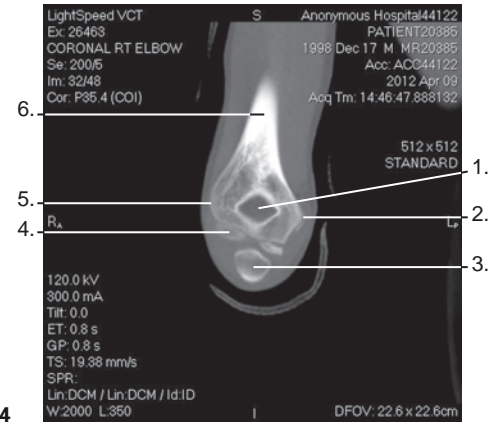
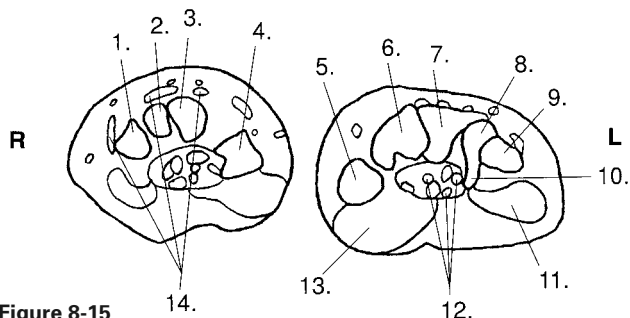
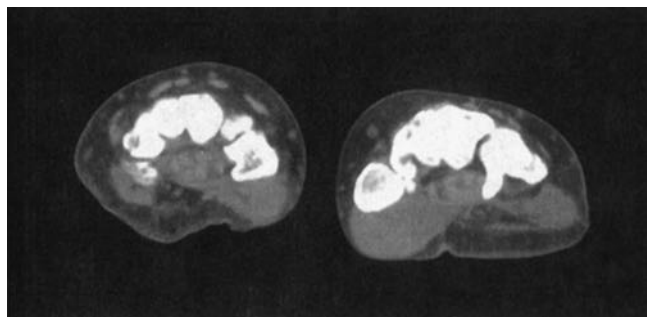
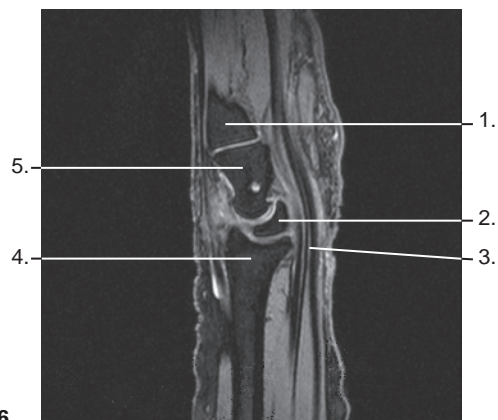


Figure 8-14

1. Which of the following is illustrated by 2?
 - ☐ A. Coronoid process of the ulna
 - ☐ B. Medial epicondyle
 - ☐ C. Trochlea
 - ☐ D. Capitulum
2. Which number illustrates the olecranon process?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
3. Which of the following is illustrated by 5?
 - ☐ A. Capitulum
 - ☐ B. Lateral epicondyle
 - ☐ C. Trochlea
 - ☐ D. Coronoid fossa
4. Which number illustrates the lateral epicondyle?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 1
5. Which number illustrates the olecranon fossa?
 - ☐ A. 1
 - ☐ B. 4
 - ☐ C. 3
 - ☐ D. 2

**Figure 8-15**

- Which of the following is illustrated by 9?
 - ☐ A. Trapezoid
 - ☐ B. Triquetrum
 - ☐ C. Trapezium
 - ☐ D. Hamate
- Which number illustrates the trapezoid?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 3
- Which of the following is illustrated by 6?
 - ☐ A. Trapezium
 - ☐ B. Hamate
 - ☐ C. Trapezoid
 - ☐ D. Capitate
- Which number illustrates the abductor digiti minimi muscle?
 - ☐ A. 11
 - ☐ B. 13
 - ☐ C. 12
 - ☐ D. 14
- Which number illustrates the flexor digitorum superficialis and profundus tendons?
 - ☐ A. 14
 - ☐ B. 13
 - ☐ C. 11
 - ☐ D. 12

**Figure 8-16**

- Which of the following is illustrated by 5?
 - ☐ A. Capitate
 - ☐ B. Triquetrum
 - ☐ C. Trapezium
 - ☐ D. Hamate
- Which number illustrates the distal radius?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 3
- Which of the following is illustrated by 2?
 - ☐ A. Lunate
 - ☐ B. Hamate
 - ☐ C. Trapezoid
 - ☐ D. Capitate
- Which number illustrates the flexor digitorum tendons?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 1
 - ☐ D. 3
- Which of the following is illustrated by 1?
 - ☐ A. Hamate
 - ☐ B. Lunate
 - ☐ C. Third metacarpal
 - ☐ D. Capitate

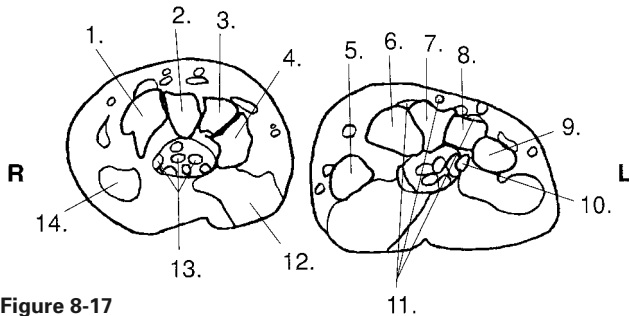
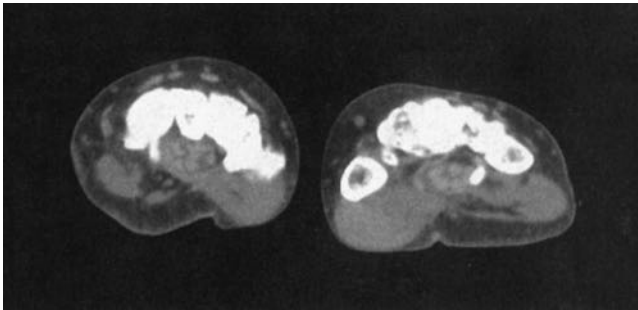


Figure 8-17

1. Which number illustrates the capitate?
 - ☐ A. 8
 - ☐ B. 6
 - ☐ C. 3
 - ☐ D. 7
2. Which of the following is illustrated by 10?
 - ☐ A. Triquetrum
 - ☐ B. Hamulus of the hamate
 - ☐ C. Pisiform
 - ☐ D. Scaphoid
3. Which number illustrates the right hamate?
 - ☐ A. 3
 - ☐ B. 1
 - ☐ C. 4
 - ☐ D. 2
4. Which of the following is illustrated by 11?
 - ☐ A. Extensor tendons
 - ☐ B. Flexor digitorum superficialis and profundus tendons
 - ☐ C. Abductor digiti minimi muscle
 - ☐ D. Abductor pollicis brevis and opponens pollicis muscles
5. Which of the following is illustrated by 13?
 - ☐ A. Extensor tendons
 - ☐ B. Flexor digitorum superficialis and profundus tendons
 - ☐ C. Abductor digiti minimi muscle
 - ☐ D. Abductor pollicis brevis and opponens pollicis muscles

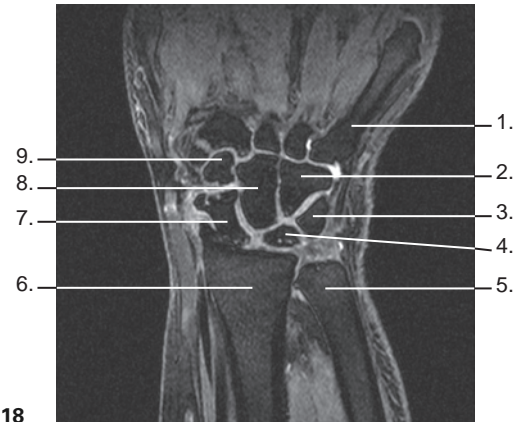


Figure 8-18

1. Which of the following is illustrated by 3?
 - ☐ A. Capitate
 - ☐ B. Triquetrum
 - ☐ C. Trapezium
 - ☐ D. Hamate
2. Which number illustrates the distal radius?
 - ☐ A. 4
 - ☐ B. 5
 - ☐ C. 6
 - ☐ D. 3
3. Which of the following is illustrated by 2?
 - ☐ A. Lunate
 - ☐ B. Hamate
 - ☐ C. Trapezoid
 - ☐ D. Capitate
4. Which number illustrates the scaphoid?
 - ☐ A. 4
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 3
5. Which of the following is illustrated by 8?
 - ☐ A. Hamate
 - ☐ B. Lunate
 - ☐ C. Third metacarpal
 - ☐ D. Capitate

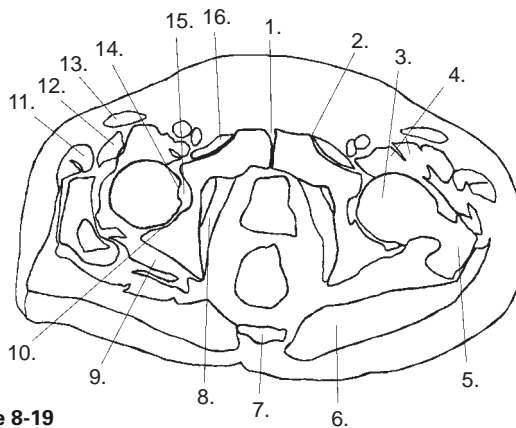
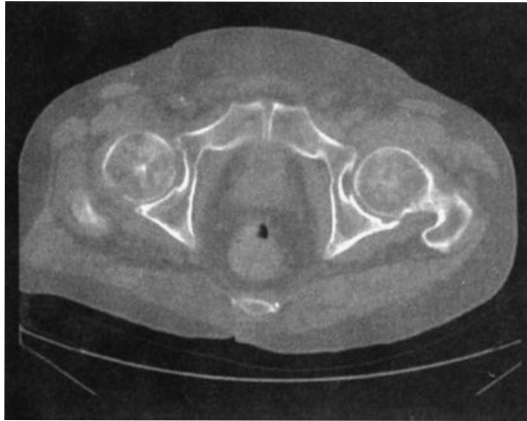


Figure 8-19

1. Which number illustrates the sartorius muscle?
 - ☐ A. 14
 - ☐ B. 13
 - ☐ C. 12
 - ☐ D. 11
2. Which of the following is illustrated by 14?
 - ☐ A. Acetabular fossa
 - ☐ B. Lunate surface of the acetabulum
 - ☐ C. Fovea capitis femoris
 - ☐ D. Pubic symphysis
3. Which number illustrates the tensor fascia latae muscle?
 - ☐ A. 11
 - ☐ B. 14
 - ☐ C. 12
 - ☐ D. 13
4. Which of the following is illustrated by 1?
 - ☐ A. Pubic symphysis
 - ☐ B. Acetabular fossa
 - ☐ C. Obturator foramen
 - ☐ D. Sacroiliac joint
5. Which number illustrates the superior gemellus muscle?
 - ☐ A. 9
 - ☐ B. 8
 - ☐ C. 6
 - ☐ D. 4

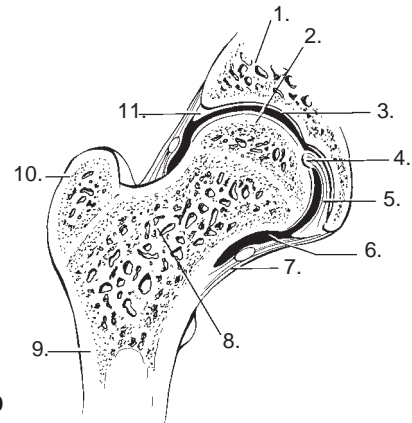


Figure 8-20

1. Which number illustrates the fovea capitis femoris?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 5
 - ☐ D. 11
2. Which of the following is illustrated by 11?
 - ☐ A. Acetabular labrum
 - ☐ B. Lunate surface of the acetabulum
 - ☐ C. Fovea capitis femoris
 - ☐ D. Capitis femoris
3. Which number illustrates the greater trochanter?
 - ☐ A. 11
 - ☐ B. 7
 - ☐ C. 10
 - ☐ D. 6
4. Which of the following is illustrated by 3?
 - ☐ A. Capitis femoris
 - ☐ B. Acetabular labrum
 - ☐ C. Fovea capitis femoris
 - ☐ D. Lunate surface
5. Which number illustrates the articular capsule?
 - ☐ A. 7
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 11

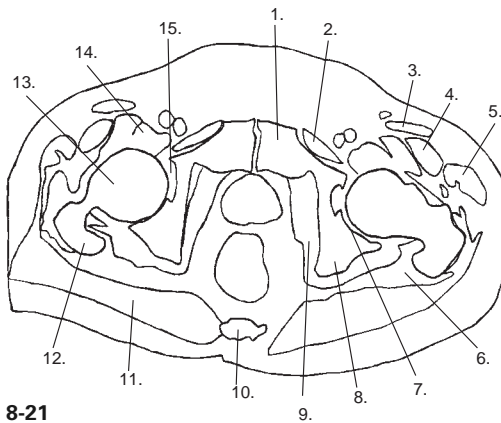
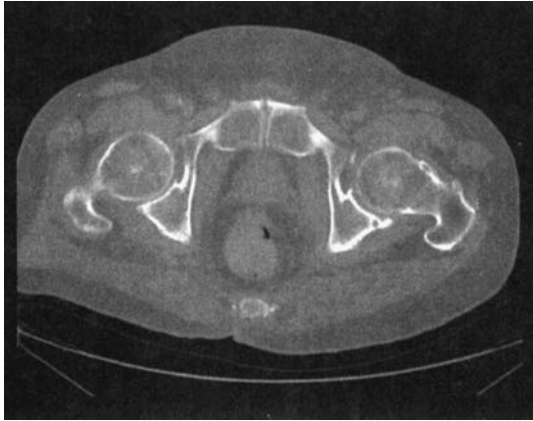


Figure 8-21

1. Which of the following is illustrated by 3?
 - ☐ A. Superior gemellus muscle
 - ☐ B. Sartorius muscle
 - ☐ C. Pectineus muscle
 - ☐ D. Obturator internus muscle
2. Which of the following is illustrated by 15?
 - ☐ A. Obturator foramen
 - ☐ B. Lunate surface of the acetabulum
 - ☐ C. Fovea capitis femoris
 - ☐ D. Acetabular fossa
3. Which number illustrates the iliopsoas muscle?
 - ☐ A. 5
 - ☐ B. 10
 - ☐ C. 7
 - ☐ D. 14
4. Which number illustrates the obturator internus muscle?
 - ☐ A. 9
 - ☐ B. 15
 - ☐ C. 7
 - ☐ D. 2
5. Which illustrates the pectineus muscle?
 - ☐ A. 10
 - ☐ B. 15
 - ☐ C. 7
 - ☐ D. 2

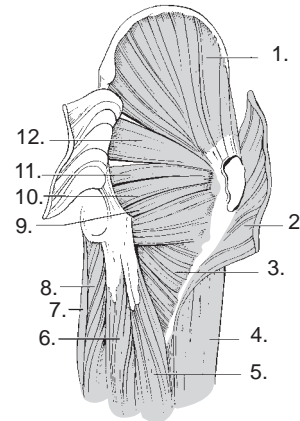


Figure 8-22

1. Which of the following is illustrated by 10?
 - ☐ A. Pectineus muscle
 - ☐ B. Obturator internus muscle
 - ☐ C. Tensor fascia latae
 - ☐ D. Superior gemellus
2. Which of the following is illustrated by 9?
 - ☐ A. Inferior gemellus muscle
 - ☐ B. Pectineus muscle
 - ☐ C. Superior gemellus muscle
 - ☐ D. Pectineus muscle
3. Which number illustrates the gluteus maximus muscle?
 - ☐ A. 5
 - ☐ B. 1
 - ☐ C. 3
 - ☐ D. 2
4. Which number illustrates the superior gemellus muscle?
 - ☐ A. 10
 - ☐ B. 11
 - ☐ C. 7
 - ☐ D. 9
5. Which illustrates the obturator internus muscle?
 - ☐ A. 10
 - ☐ B. 11
 - ☐ C. 9
 - ☐ D. 2



Figure 8-23

1. Which of the following is illustrated by 6?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Popliteus muscle
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Tibia
2. Which of the following is illustrated by 2?
 - ☐ A. Femur
 - ☐ B. Fibula
 - ☐ C. Patella
 - ☐ D. Tibia
3. Which number illustrates the popliteus muscle?
 - ☐ A. 4
 - ☐ B. 7
 - ☐ C. 5
 - ☐ D. 3
4. Which of the following is illustrated by 5?
 - ☐ A. Medial collateral ligament
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Popliteus muscle
5. Which number illustrates the quadriceps muscle?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 3

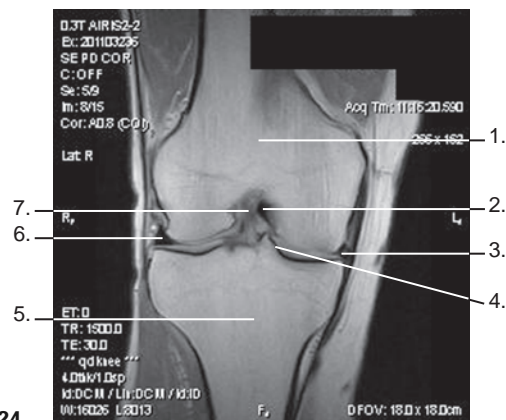


Figure 8-24

1. Which of the following is illustrated by 7?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Popliteus muscle
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Tibia
2. Which of the following is illustrated by 5?
 - ☐ A. Femur
 - ☐ B. Fibula
 - ☐ C. Patella
 - ☐ D. Tibia
3. Which number illustrates the medial meniscus?
 - ☐ A. 7
 - ☐ B. 2
 - ☐ C. 6
 - ☐ D. 3
4. Which of the following is illustrated by 2?
 - ☐ A. Medial collateral ligament
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Popliteus muscle
5. Which number illustrates the lateral meniscus?
 - ☐ A. 7
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 3

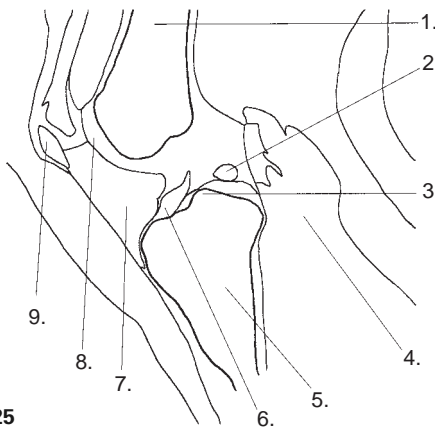
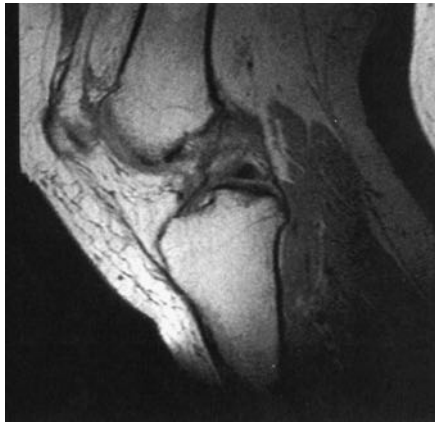


Figure 8-25

- Which of the following is illustrated by 9?
 - ☐ A. Articular cartilage
 - ☐ B. Infrapatellar fat pad
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Medial patella
- Which of the following is illustrated by 3?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Intercondylar eminence
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Lateral head of the gastrocnemius muscle
- Which number illustrates the anterior cruciate ligament?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 2
- Which of the following is illustrated by 7?
 - ☐ A. Patellar tendon
 - ☐ B. Patella
 - ☐ C. Infrapatellar fat pad
 - ☐ D. Quadriceps tendon
- Which number illustrates the articular cartilage?
 - ☐ A. 8
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 6

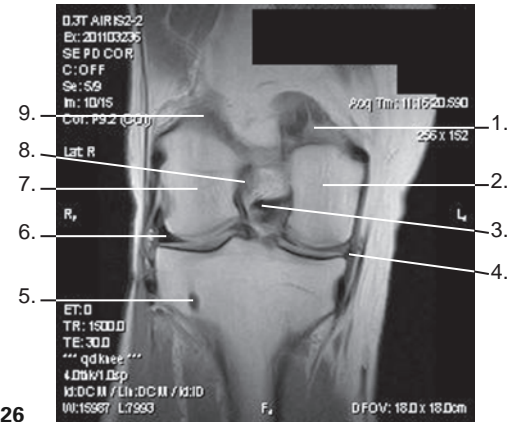


Figure 8-26

- Which of the following is illustrated by 8?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Popliteus muscle
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Tibia
- Which of the following is illustrated by 1?
 - ☐ A. Rectus femoris
 - ☐ B. Gastrocnemius muscle
 - ☐ C. Sartorius muscle
 - ☐ D. Tensor fascia latae muscle
- Which number illustrates the medial meniscus?
 - ☐ A. 4
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 7
- Which of the following is illustrated by 3?
 - ☐ A. Medial collateral ligament
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Popliteus muscle
- Which number illustrates the lateral meniscus?
 - ☐ A. 8
 - ☐ B. 4
 - ☐ C. 6
 - ☐ D. 3



Figure 8-27

1. Which number illustrates the posterior horn of the lateral meniscus?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6
2. Which number illustrates the femoropatellar joint?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 9
 - ☐ D. 10
3. Which of the following is illustrated by 5?
 - ☐ A. Head of fibula
 - ☐ B. Anterior horn of the lateral meniscus
 - ☐ C. Posterior horn of the lateral meniscus
 - ☐ D. Articular cartilage
4. Which number illustrates the patella?
 - ☐ A. 11
 - ☐ B. 8
 - ☐ C. 9
 - ☐ D. 1
5. Which of the following is illustrated by 6?
 - ☐ A. Anterior horn of the medial meniscus
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Anterior horn of the lateral meniscus

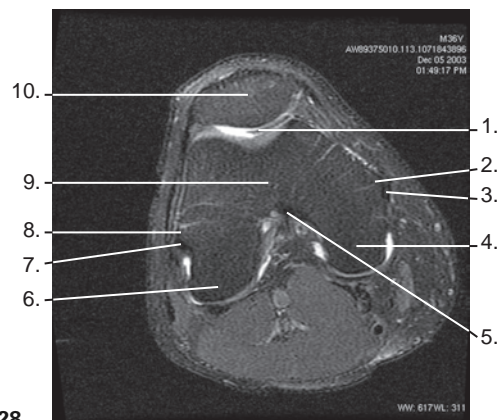


Figure 8-28

1. Which of the following is illustrated by 3?
 - ☐ A. Lateral collateral ligament
 - ☐ B. Medial collateral ligament
 - ☐ C. Anterior cruciate ligament
 - ☐ D. Femoropatellar joint
2. Which of the following is illustrated by 5?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Intercondylar fossa
 - ☐ C. Femoropatellar joint
 - ☐ D. Lateral head of the gastrocnemius muscle
3. Which number illustrates the lateral collateral ligament?
 - ☐ A. 6
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 7
4. Which of the following is illustrated by 8?
 - ☐ A. Lateral epicondyle
 - ☐ B. Patella
 - ☐ C. Medial epicondyle
 - ☐ D. Lateral condyle
5. Which number illustrates the femoropatellar joint?
 - ☐ A. 8
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 6

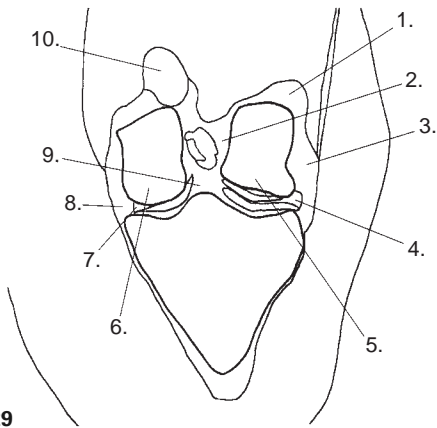
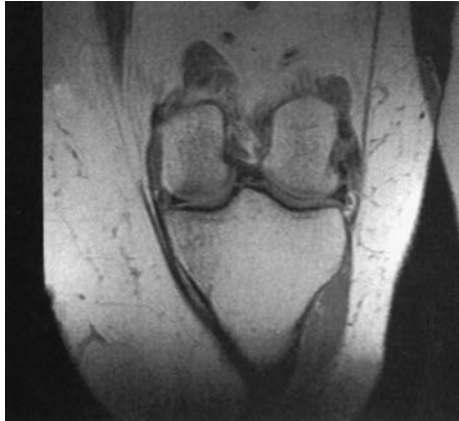


Figure 8-29

1. Which of the following is illustrated by 4?
 - ☐ A. Posterior cruciate ligament
 - ☐ B. Lateral collateral ligament
 - ☐ C. Lateral meniscus
 - ☐ D. Articular cartilage
2. Which number illustrates the posterior cruciate ligament?
 - ☐ A. 6
 - ☐ B. 2
 - ☐ C. 5
 - ☐ D. 9
3. Which number illustrates the medial meniscus?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 4
4. Which of the following is illustrated by 1?
 - ☐ A. Lateral head of the gastrocnemius muscle
 - ☐ B. Popliteal tendon
 - ☐ C. Quadriceps muscle
 - ☐ D. Medial head of the gastrocnemius muscle
5. Which of the following is illustrated by 2?
 - ☐ A. Lateral collateral ligament
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Medial meniscus
 - ☐ D. Posterior cruciate ligament

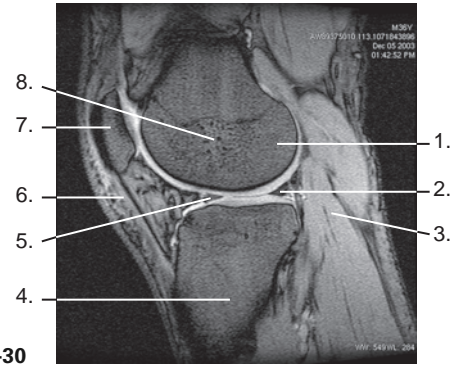
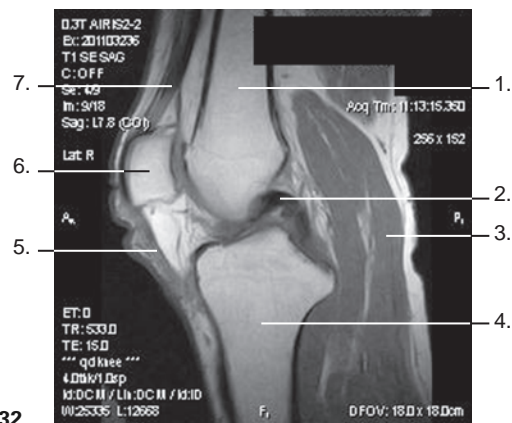


Figure 8-30

1. Which number illustrates the posterior horn of the lateral meniscus?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6
2. Which number illustrates the patellar tendon?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 7
 - ☐ D. 6
3. Which of the following is illustrated by 5?
 - ☐ A. Head of the fibula
 - ☐ B. Anterior horn of the lateral meniscus
 - ☐ C. Posterior horn of the lateral meniscus
 - ☐ D. Articular cartilage
4. Which number illustrates the patella?
 - ☐ A. 7
 - ☐ B. 8
 - ☐ C. 4
 - ☐ D. 1
5. Which of the following is illustrated by 5?
 - ☐ A. Anterior horn of the medial meniscus
 - ☐ B. Anterior cruciate ligament
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Anterior horn of the lateral meniscus

**Figure 8-31**

- Which of the following is illustrated by 4?
 - ☐ A. Lateral collateral ligament
 - ☐ B. Lateral meniscus
 - ☐ C. Lateral epicondyle
 - ☐ D. Popliteal tendon
- Which number illustrates the medial meniscus?
 - ☐ A. 7
 - ☐ B. 5
 - ☐ C. 8
 - ☐ D. 10
- Which of the following is illustrated by 10?
 - ☐ A. Lateral meniscus
 - ☐ B. Posterior cruciate ligament
 - ☐ C. Medial meniscus
 - ☐ D. Anterior cruciate ligament
- Which number illustrates the tibial intercondylar eminence?
 - ☐ A. 6
 - ☐ B. 10
 - ☐ C. 8
 - ☐ D. 5
- Which of the following is illustrated by 2?
 - ☐ A. Lateral femoral epicondyle
 - ☐ B. Lateral femoral condyle
 - ☐ C. Head of fibula
 - ☐ D. Proximal tibia

**Figure 8-32**

- Which number illustrates the posterior cruciate ligament?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6
- Which number illustrates the patellar tendon?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 7
 - ☐ D. 6
- Which of the following is illustrated by 3?
 - ☐ A. Quadriceps femoris muscle
 - ☐ B. Gastrocnemius muscle
 - ☐ C. Pectineus muscle
 - ☐ D. Soleus muscle
- Which number illustrates the patella?
 - ☐ A. 5
 - ☐ B. 6
 - ☐ C. 4
 - ☐ D. 1
- Which of the following is illustrated by 7?
 - ☐ A. Popliteus muscle
 - ☐ B. Gastrocnemius muscle
 - ☐ C. Soleus muscle
 - ☐ D. Quadriceps femoris muscle



Figure 8-33

- Which number illustrates the medial collateral ligament?
 - ☐ A. 8
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 9
- Which of the following is illustrated by 6?
 - ☐ A. Articular surface of the tibia
 - ☐ B. Intercondylar eminence
 - ☐ C. Medial meniscus
 - ☐ D. Lateral meniscus
- Which of the following is illustrated by 9?
 - ☐ A. Anterior cruciate ligament
 - ☐ B. Intercondylar eminence
 - ☐ C. Posterior cruciate ligament
 - ☐ D. Medial collateral ligament
- Which number illustrates the popliteal tendon?
 - ☐ A. 1
 - ☐ B. 9
 - ☐ C. 3
 - ☐ D. 2
- Which of the following is illustrated by 4?
 - ☐ A. Articular surface of the tibia
 - ☐ B. Intercondylar eminence
 - ☐ C. Medial meniscus
 - ☐ D. Lateral meniscus

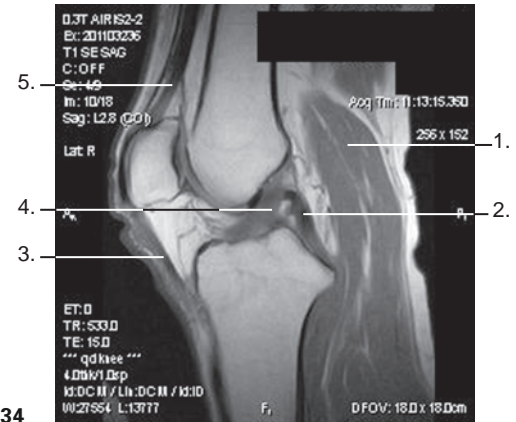
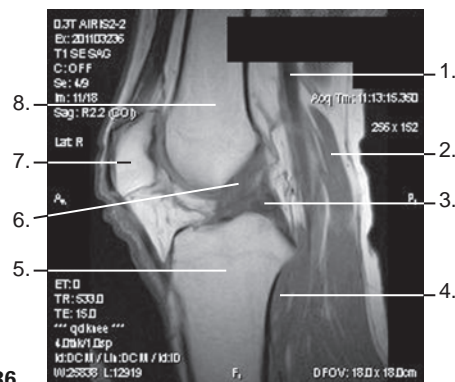


Figure 8-34

- Which number illustrates the anterior cruciate ligament?
 - ☐ A. 5
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 3
- Which number illustrates the patellar tendon?
 - ☐ A. 5
 - ☐ B. 3
 - ☐ C. 2
 - ☐ D. 4
- Which of the following is illustrated by 1?
 - ☐ A. Quadriceps femoris muscle
 - ☐ B. Gastrocnemius muscle
 - ☐ C. Popliteus muscle
 - ☐ D. Soleus muscle
- Which number illustrates the posterior cruciate ligament?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 3
- Which of the following is illustrated by 5?
 - ☐ A. Popliteus muscle
 - ☐ B. Gastrocnemius muscle
 - ☐ C. Soleus muscle
 - ☐ D. Quadriceps femoris muscle

**Figure 8-35**

- Which number illustrates the posterior cruciate ligament?
☐ A. 1
☐ B. 9
☐ C. 4
☐ D. 3
- Which of the following is illustrated by 7?
☐ A. Medial meniscus
☐ B. Intercondylar eminence
☐ C. Medial collateral ligament
☐ D. Lateral meniscus
- Which number illustrates the anterior cruciate ligament?
☐ A. 1
☐ B. 8
☐ C. 2
☐ D. 9
- Which of the following is illustrated by 3?
☐ A. Articular surface of the medial condyle
☐ B. Articular surface of the tibia
☐ C. Anterior cruciate ligament
☐ D. Lateral meniscus
- Which number illustrates the medial meniscus?
☐ A. 6
☐ B. 7
☐ C. 3
☐ D. 9

**Figure 8-36**

- Which number illustrates the anterior cruciate ligament?
☐ A. 5
☐ B. 6
☐ C. 7
☐ D. 3
- Which number illustrates the popliteal artery?
☐ A. 1
☐ B. 3
☐ C. 2
☐ D. 4
- Which of the following is illustrated by 4?
☐ A. Quadriceps femoris muscle
☐ B. Gastrocnemius muscle
☐ C. Popliteus muscle
☐ D. Soleus muscle
- Which number illustrates the posterior cruciate ligament?
☐ A. 6
☐ B. 2
☐ C. 1
☐ D. 3
- Which of the following is illustrated by 2?
☐ A. Popliteus muscle
☐ B. Gastrocnemius muscle
☐ C. Soleus muscle
☐ D. Quadriceps femoris muscle

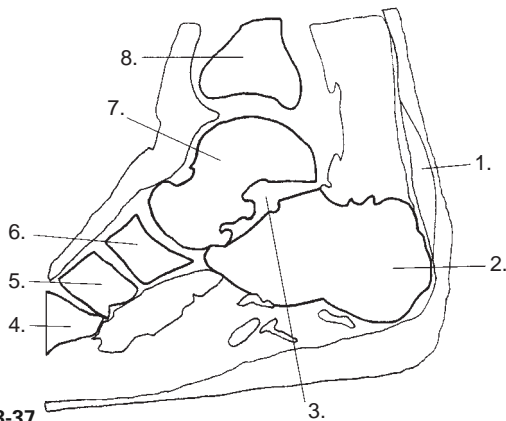


Figure 8-37

1. Which of the following is illustrated by 4?
 - ☐ A. First cuneiform
 - ☐ B. Navicular
 - ☐ C. First metatarsal
 - ☐ D. First digit
2. Which number illustrates the tibia?
 - ☐ A. 1
 - ☐ B. 8
 - ☐ C. 3
 - ☐ D. 7
3. Which of the following is illustrated by 7?
 - ☐ A. Navicular bone
 - ☐ B. Calcaneus
 - ☐ C. Tibia
 - ☐ D. Talus
4. Which number illustrates the tendinous insertion of gastrocnemius muscles?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 2
5. Which of the following is illustrated by 5?
 - ☐ A. First cuneiform
 - ☐ B. Talus
 - ☐ C. Navicular
 - ☐ D. First metatarsal

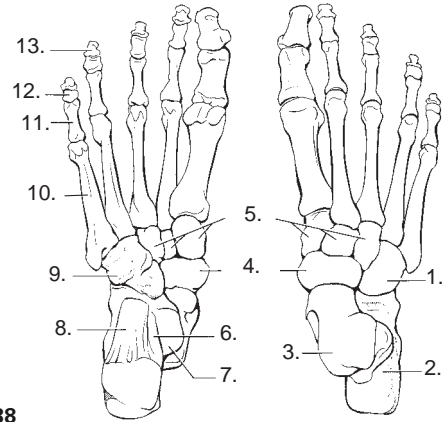


Figure 8-38

1. Which of the following is illustrated by 4?
 - ☐ A. First cuneiform
 - ☐ B. Navicular
 - ☐ C. Talus
 - ☐ D. Cuboid
2. Which number illustrates the cuboid?
 - ☐ A. 1
 - ☐ B. 2
 - ☐ C. 3
 - ☐ D. 4
3. Which of the following is illustrated by 3?
 - ☐ A. Navicular
 - ☐ B. Calcaneus
 - ☐ C. Tibia
 - ☐ D. Talus
4. Which number illustrates the tendinous insertion of gastrocnemius muscles?
 - ☐ A. 1
 - ☐ B. 3
 - ☐ C. 6
 - ☐ D. 2
5. Which of the following is illustrated by 5?
 - ☐ A. Cuneiform
 - ☐ B. Talus
 - ☐ C. Navicular
 - ☐ D. First metatarsal

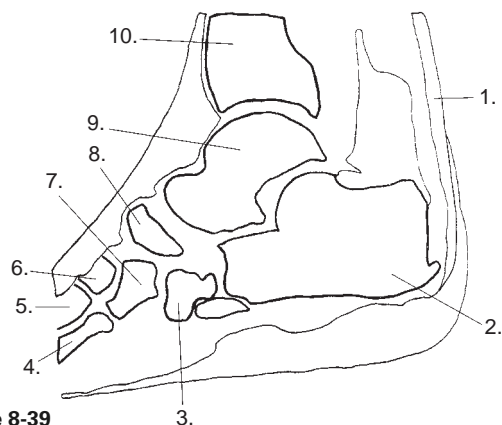
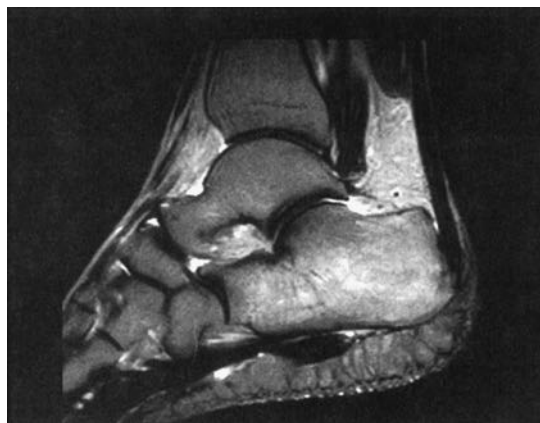


Figure 8-39

1. Which of the following is illustrated by 6?
 - ☐ A. Third metatarsal
 - ☐ B. Second metatarsal
 - ☐ C. Third cuneiform
 - ☐ D. Second cuneiform
2. Which number illustrates the talus?
 - ☐ A. 7
 - ☐ B. 9
 - ☐ C. 8
 - ☐ D. 2
3. Which number illustrates the third cuneiform?
 - ☐ A. 6
 - ☐ B. 4
 - ☐ C. 7
 - ☐ D. 5
4. Which of the following is illustrated by 2?
 - ☐ A. Calcaneus
 - ☐ B. Talus
 - ☐ C. Tibia
 - ☐ D. Tendo calcaneus tendon
5. Which of the following is illustrated by 8?
 - ☐ A. Cuboid
 - ☐ B. Navicular
 - ☐ C. Talus
 - ☐ D. Second cuneiform

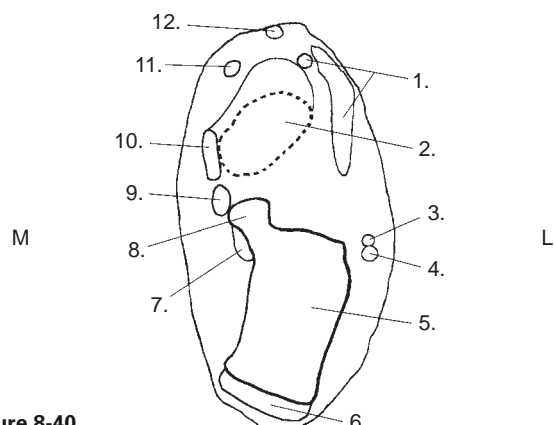
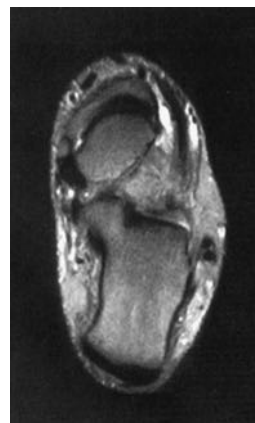


Figure 8-40

1. Which number illustrates the tibialis anterior tendon?
 - ☐ A. 1
 - ☐ B. 11
 - ☐ C. 9
 - ☐ D. 12
2. Which of the following is illustrated by 8?
 - ☐ A. Cuboid
 - ☐ B. Talus
 - ☐ C. Navicular
 - ☐ D. Sustentaculum tali
3. Which of the following is illustrated by 3?
 - ☐ A. Peroneus longus tendon
 - ☐ B. Flexor hallucis longus tendon
 - ☐ C. Flexor digitorum longus tendon
 - ☐ D. Peroneus brevis tendon
4. Which number illustrates the extensor digitorum tendon?
 - ☐ A. 1
 - ☐ B. 11
 - ☐ C. 4
 - ☐ D. 10
5. Which number illustrates the extensor hallucis longus tendon?
 - ☐ A. 11
 - ☐ B. 1
 - ☐ C. 12
 - ☐ D. 10

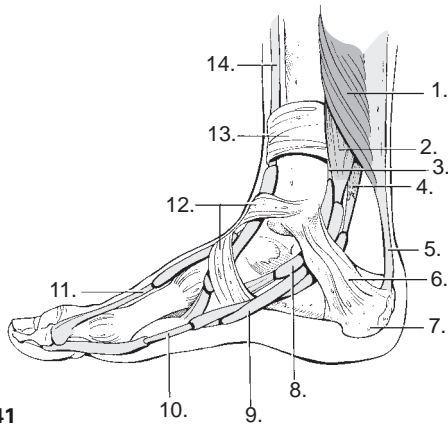


Figure 8-41

1. Which number illustrates the extensor hallucis longus tendon?
 - ☐ A. 14
 - ☐ B. 11
 - ☐ C. 9
 - ☐ D. 10
2. Which of the following is illustrated by 8?
 - ☐ A. Flexor hallucis longus
 - ☐ B. Peroneus longus
 - ☐ C. Tibialis posterior
 - ☐ D. Tibialis anterior
3. Which of the following is illustrated by 9?
 - ☐ A. Peroneus longus tendon
 - ☐ B. Flexor hallucis longus tendon
 - ☐ C. Flexor digitorum longus tendon
 - ☐ D. Tibialis posterior
4. Which number illustrates the flexor hallucis longus tendon?
 - ☐ A. 9
 - ☐ B. 11
 - ☐ C. 14
 - ☐ D. 10
5. Which number illustrates the Achilles tendon?
 - ☐ A. 11
 - ☐ B. 5
 - ☐ C. 4
 - ☐ D. 10

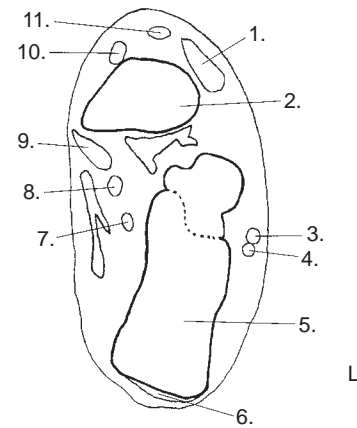
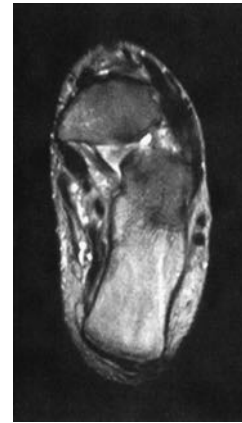


Figure 8-42

1. Which number illustrates the tibialis posterior tendon?
 - ☐ A. 10
 - ☐ B. 3
 - ☐ C. 9
 - ☐ D. 7
2. Which of the following is illustrated by 10?
 - ☐ A. Extensor hallucis longus tendon
 - ☐ B. Tibialis anterior tendon
 - ☐ C. Extensor digitorum tendon
 - ☐ D. Tibialis posterior tendon
3. Which number illustrates the peroneus brevis tendon?
 - ☐ A. 3
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 8
4. Which of the following is illustrated by 5?
 - ☐ A. Cuboid
 - ☐ B. Talus
 - ☐ C. Sustentaculum tali
 - ☐ D. Calcaneus
5. Which number illustrates the talus?
 - ☐ A. 2
 - ☐ B. 5
 - ☐ C. 1
 - ☐ D. 9

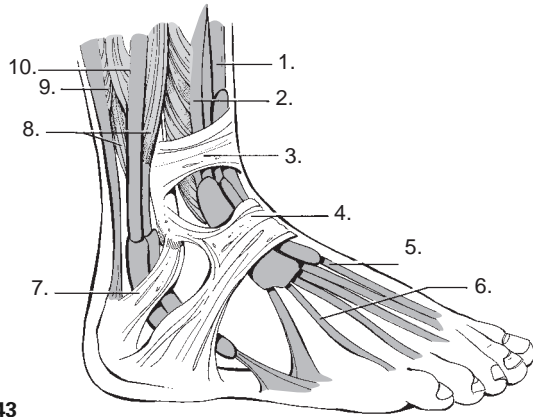


Figure 8-43

1. Which number illustrates the peroneus brevis muscle?
 - ☐ A. 8
 - ☐ B. 1
 - ☐ C. 9
 - ☐ D. 2
2. Which of the following is illustrated by 1?
 - ☐ A. Flexor hallucis longus
 - ☐ B. Peroneus longus
 - ☐ C. Tibialis posterior
 - ☐ D. Tibialis anterior
3. Which of the following is illustrated by 6?
 - ☐ A. Peroneus longus tendon
 - ☐ B. Extensor hallucis longus tendon
 - ☐ C. Extensor digitorum longus tendon
 - ☐ D. Tibialis posterior
4. Which number illustrates the extensor hallucis longus tendon?
 - ☐ A. 2
 - ☐ B. 6
 - ☐ C. 5
 - ☐ D. 8
5. Which number illustrates the soleus?
 - ☐ A. 9
 - ☐ B. 10
 - ☐ C. 1
 - ☐ D. 8

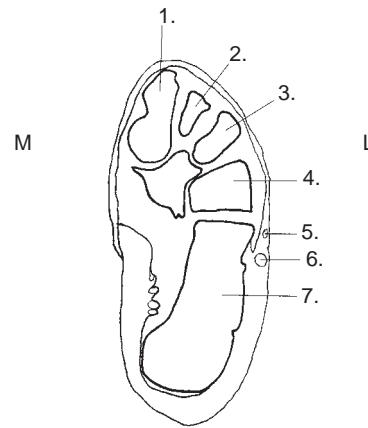


Figure 8-44

1. Which of the following is illustrated by 4?
 - ☐ A. Cuboid
 - ☐ B. Third cuneiform
 - ☐ C. Second cuneiform
 - ☐ D. Navicular
2. Which number illustrates the third cuneiform?
 - ☐ A. 2
 - ☐ B. 7
 - ☐ C. 4
 - ☐ D. 3
3. Which number illustrates the second cuneiform?
 - ☐ A. 3
 - ☐ B. 2
 - ☐ C. 4
 - ☐ D. 1
4. Which of the following is illustrated by 5?
 - ☐ A. Peroneus longus tendon
 - ☐ B. Extensor digitorum tendon
 - ☐ C. Peroneus brevis tendon
 - ☐ D. Extensor hallucis longus tendon
5. Which of the following is illustrated by 1?
 - ☐ A. Second cuneiform
 - ☐ B. Third cuneiform
 - ☐ C. First cuneiform
 - ☐ D. Cuboid

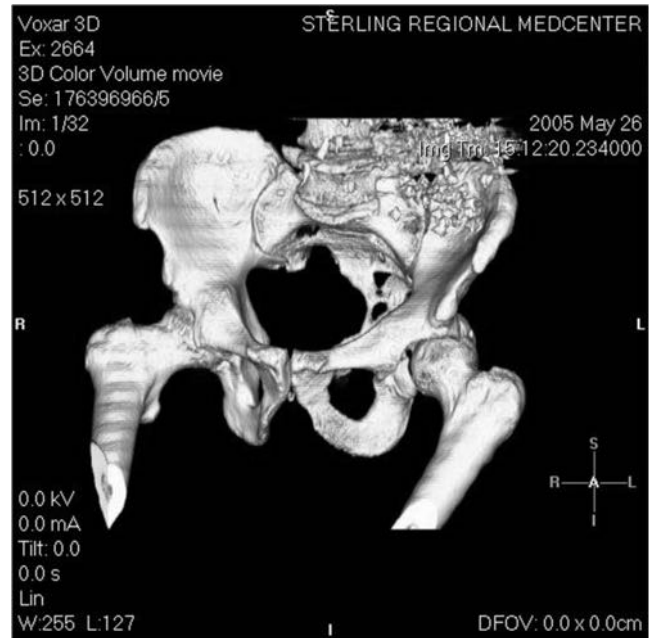
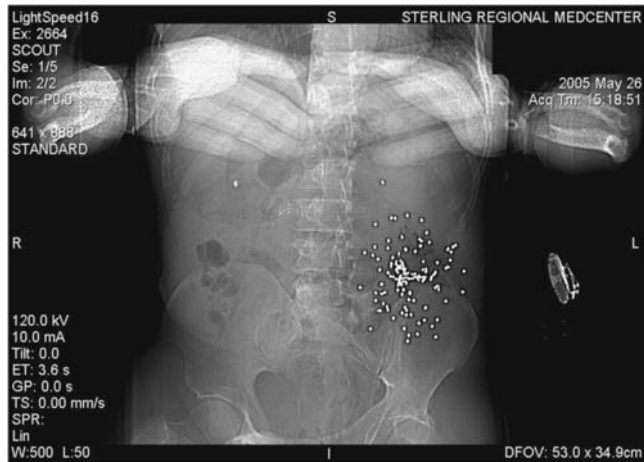
CLINICAL APPLICATIONS

1. The ankle joint is formed between the _____, _____, and _____.
2. The ankle joint is classified as what type of joint?
 - ___ A. Ginglymus
 - ___ B. Arthrodial
 - ___ C. Enarthrosis
 - ___ D. Syndesmosis
3. The hip joint is classified as what type of joint?
 - ___ A. Ginglymus
 - ___ B. Arthrodial
 - ___ C. Enarthrosis
 - ___ D. Syndesmosis
4. The _____ joint is considered the largest joint in the body.
5. Which of the following articulates with the base of the third metatarsal?
 - ___ A. Cuboid
 - ___ B. Navicular
 - ___ C. Second cuneiform
 - ___ D. Third cuneiform
6. Describe the attachments of the lateral collateral ligament.

7. The trochlea of the humerus articulates with the
 - ___ A. Glenoid fossa
 - ___ B. Clavicle
 - ___ C. Radius
 - ___ D. Ulna
8. On an axial image of the ankle, which tendon is *not* found on the medial surface of the leg?
 - ___ A. Peroneus longus
 - ___ B. Tibialis posterior
 - ___ C. Flexor hallucis longus
 - ___ D. Flexor digitorum longus
9. Approximately 75% of carpal fractures are found within the _____.
10. The hamulus is found on which carpal bone?
 - ___ A. Scaphoid
 - ___ B. Hamate
 - ___ C. Capitate
 - ___ D. Lunate

CLINICAL CORRELATIONS

Clinical Case 8-1



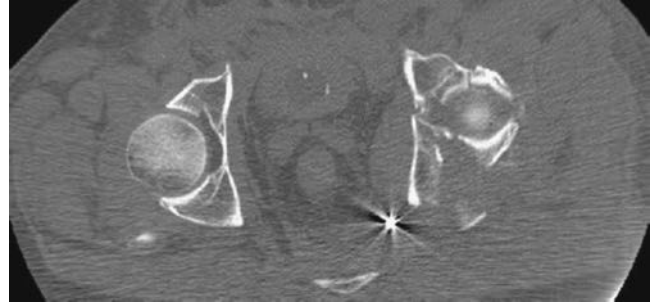
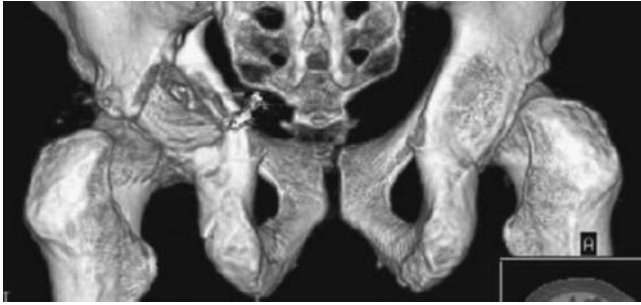
- Which of the following is the correct classification for the hip joint?
 - ☐ A. Enarthrosis
 - ☐ B. Arthrodial
 - ☐ C. Syndesmosis
 - ☐ D. Ginglymus
- Which of the following bones form the acetabulum?
 - ☐ A. Pubis
 - ☐ B. Ischium
 - ☐ C. Ilium
 - ☐ D. All of the above
- Which of the following best describes the location of the tensor fascia latae muscle as compared to the hip joint?
 - ☐ A. Medial
 - ☐ B. Lateral
 - ☐ C. Anterior
 - ☐ D. Posterior
- What muscle originates from the ischial spine and inserts on the tendon of the obturator internus muscle rotating the thigh laterally?
 - ☐ A. Sartorius
 - ☐ B. Rectus femoris
 - ☐ C. Superior gemellus
 - ☐ D. Pectineus
- What muscle originates from the pubis to insert on the femur and also acts to rotate the thigh laterally?
 - ☐ A. Sartorius
 - ☐ B. Rectus femoris
 - ☐ C. Superior gemellus
 - ☐ D. Pectineus

Clinical Case 8-2



- Which of the following best describes the condition shown above?
 - ☐ A. Osteopetrosis
 - ☐ B. Osteoporosis
 - ☐ C. Osteosarcoma
 - ☐ D. Chondrosarcoma
- The large bone forming the heel of the foot is which of the following?
 - ☐ A. Talus
 - ☐ B. Cuboid
 - ☐ C. Navicular
 - ☐ D. Calcaneus
- The flexor tendons extend into the foot anterior or posterior to the ankle joint?
 - ☐ A. Anterior
 - ☐ B. Posterior
- The bone that articulates with the three cuneiform bones is which of the following?
 - ☐ A. Talus
 - ☐ B. Cuboid
 - ☐ C. Navicular
 - ☐ D. Calcaneus
- The bone forming the lower end of the ankle joint is which of the following?
 - ☐ A. Talus
 - ☐ B. Cuboid
 - ☐ C. Navicular
 - ☐ D. Calcaneus

Clinical Case 8-3

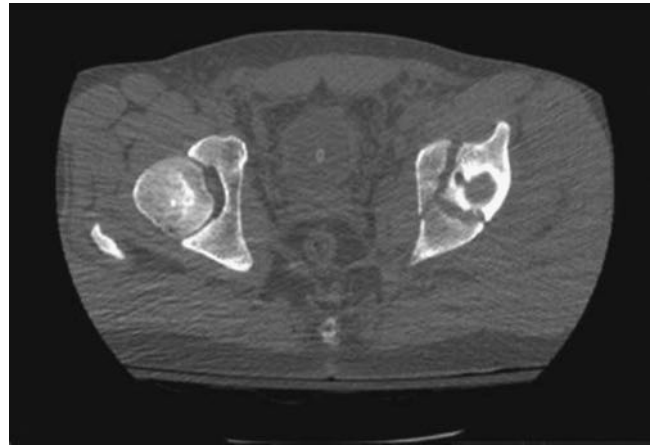
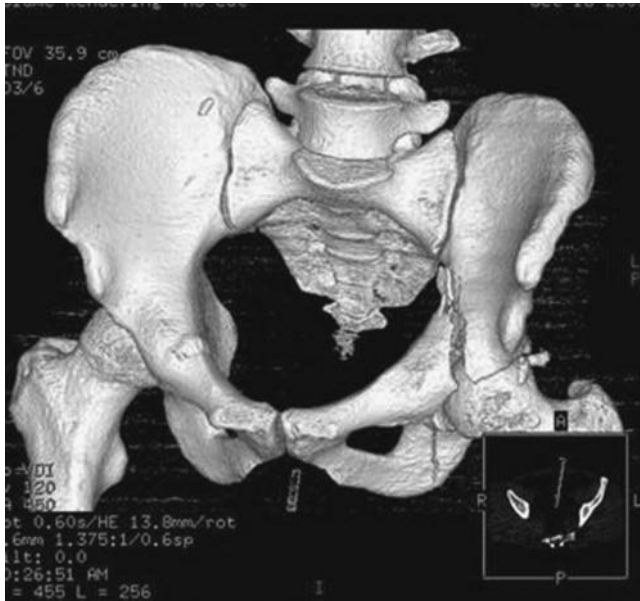


1. Describe the location of the motor vehicle accident (MVA) injury shown in the selected posterior view three-dimensional (3D) and axial computed tomography (CT) images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 8-4

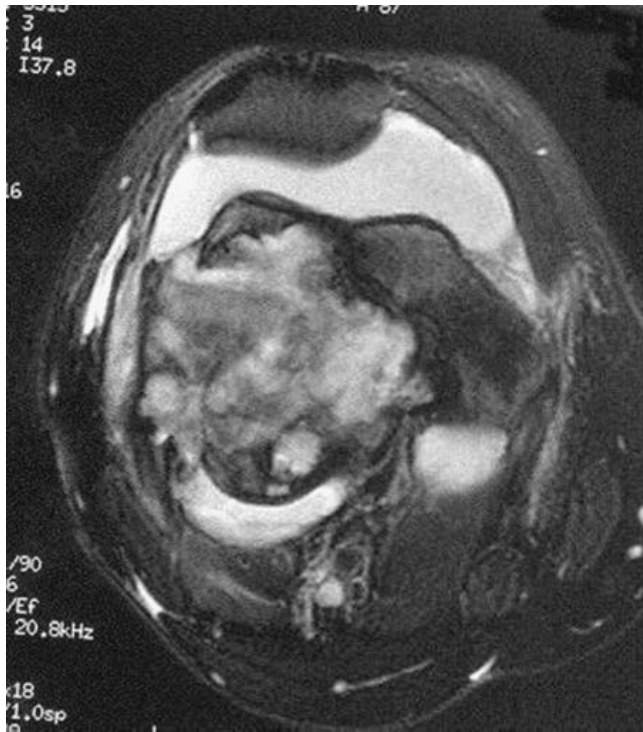


1. Describe the location of the injury in this 26-year-old male patient as shown in the reconstructed anterior view 3D (left) and axial CT (right) images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 8-5



1. Describe the location of the mass discovered in axial (left) and coronal (right) magnetic resonance (MR) images obtained from a 26-year-old man who sustained a knee injury while snowboarding.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 8-6

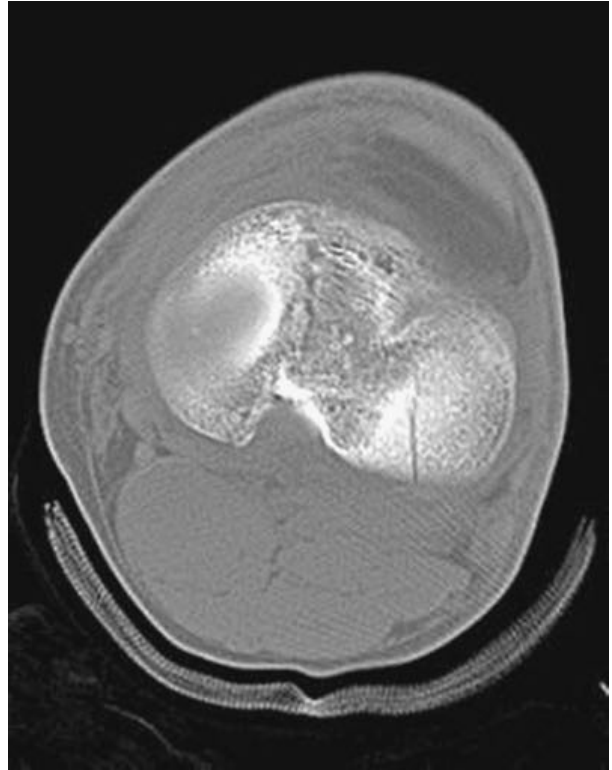


1. Describe the location of the metastatic disease in selected coronal (left) and sagittal (right) MR images of this 23-year-old man previously diagnosed with testicular carcinoma.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

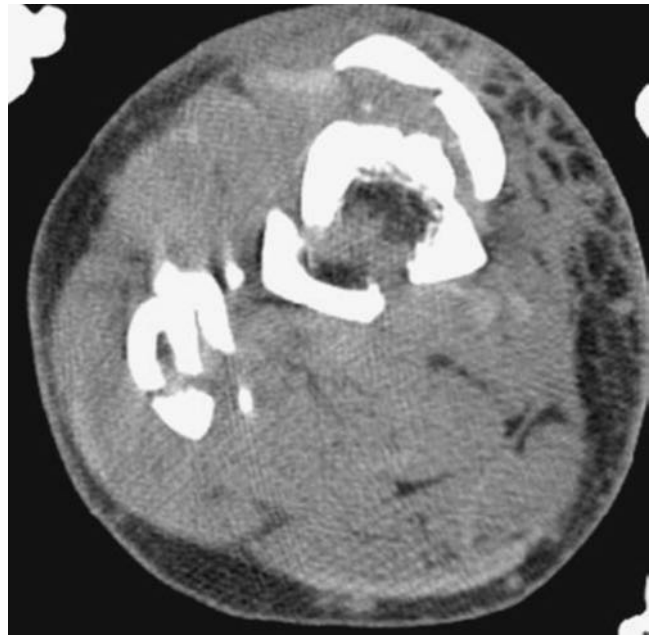
Clinical Case 8-7



1. Describe the location of the injury in this 28-year-old man shown in the coronal (left) and axial (right) CT images of his right knee. The man presented to the emergency department following MVA.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Clinical Case 8-8

1. Describe the location of the injury as shown in the sagittal (left) and axial (right) CT images.

2. Describe the changes in adjacent tissues.

3. Describe the consistency, shape, and border.

Figure Credits

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Figure 5-20: From Sanders RC, Winter TC. Clinical Sonography: A Practical Guide, 4th Ed. Philadelphia: Lippincott Williams & Wilkins, 2006.

Figure 5-22: From Armstrong WF, Ryan T. Feigenbaum's Echocardiography, 7th Ed. Philadelphia: Lippincott Williams & Wilkins, 2009.

Figure 5-24: From Armstrong WF, Ryan T. Feigenbaum's Echocardiography, 7th Ed. Philadelphia: Lippincott Williams & Wilkins, 2009.